

Improving Communication of Sport Fishing Regulations in Alaska

Prepared for the Division of Sport Fish, Alaska Department of Fish & Game

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Contents

Executive Summary	4
Perceptions of Regulations	4
Methods of Finding Regulations	4
Smartphone App	4
Presentation of Regulations	5
Facebook Content	5
Recommendations	6
Background of the Project	8
Insights from Interviews with Staff Members	8
Insights from Focus Groups	9
Online Survey	10
Objectives of Online Survey	10
Survey Method	11
Survey Responses	11
Examinations of Bias in the Survey	12
Survey Results	13
Reading Results	14
Characteristics of Respondents	14
Perceptions of Regulations	18
Checking Regulations	24
Accessing Information about Regulations and Emergency Orders	30
Smartphone App	34
Comments on a Proposed Smartphone App	41
Phrasing, Displaying, and Ordering Information	43
Facebook	48
How ADFG Can Make Sport Fishing Easier	55
What ADFG is Doing Right and Should Continue Doing	56
Appendix 1: Open-ended Comments on Potential Sport Fish Division Smartphone App	58
Appendix 2: Open-ended Comments on What Alaska Department of Fish & Game Could Do to Make Fishing Easier	106
Appendix 3: Open-ended Comments on What Alaska Department of Fish & Game is Doing Right and Should Continue Doing	177
Appendix 4: Open-ended General Comments and Comments on the Survey	230
Appendix 5: Online Survey Instrument	273
Additional Questions to Consider Asking in a Future Survey	280

Appendix 6. Report on Focus Groups	281
Respondents	282
Summary of Feedback for ADFG	283
User Considerations	284
How Anglers Currently Access Sport Fishing Regulations	285
Sport Fish Regulations	286
How Regulations Could Be Written	287
General Preferences for Regulations Language	287
Emergency Orders and News Releases	288
General Preferences for Emergency Orders	289
Communication Channels	291
Emergency Orders	292
Social Media	292
Location-based Smartphone App	294
Appendix 7: Revising Emergency Order News Releases	298
General Preferences for Emergency Orders	298
Title	298
Timeframe	298
Changes to limits	299
Length of EO news release	299
Terms and motivations	299
Graphics	300
Instructions for further information	300
Ordering	300
Appendix 8. Report on Interviews with Staff Members	301
General Summary	301
User Groups	301
Customer Service	302
Perceptions of Regulations and Booklets	303
Process of Using Regulations Booklets	305
Practical Suggestions from Staff Members	305
Printed Regulations Booklet	305
Online Regulations Booklet	306
Location-based Smartphone App	306
Trip Planner	307
Communicating Emergency Orders	307
Social Media	308
Communication Barriers	308

Executive Summary

This report describes findings from an online survey of a randomly selected group of Alaska sport fishing license holders. The survey was conducted during June of 2018 and gathered 3,955 responses. In general, the survey sought to gather information about respondents' understanding of sport fish regulations (SFR) and preferences for methods and means of their communication.

Perceptions of Regulations

A small proportion of respondents (only 14 percent) indicated they understood SFR "well" (Figure 7). Most indicated at least some level of confusion: 60 percent said SFR were at least "somewhat" confusing. Indeed, the most avid anglers residing in Alaska were the likeliest group to think of SFR as very, mostly, or somewhat confusing (Figure 9).

Only 29 percent of respondents thought SFR were "easy" to find (Figure 10).

The majority (77 percent) said the complexity of SFR prevented them from sport fishing "rarely" (Figure 12). While this is a positive sign, this means about one-quarter of respondents reported *not* being able to sport fish at least occasionally, sometimes, often, or always due to the complexity of SFR.

Alaska residents with children were likelier to find SFR a barrier to fishing; so, too, were younger anglers and less avid anglers (Figure 13).

Methods of Finding Regulations

Respondents readily reported *not* checking Emergency Orders or SFR before fishing (Figure 16). Only 27 percent check Emergency Orders "always" compared with 40 percent who "always" check SFR (Figures 17 and 18).

The most popular current source for finding sport fish regulations was the ADF&G website, followed by the paper booklets, and asking someone (potentially at a tackle store, sporting goods store, or bait shop). Fewer than 10 percent reported using email, Facebook, or Twitter.

A large proportion of respondents said they would *like* to get regulations from the ADF&G website (57 percent) and paper booklets (38 percent) to access regulations (Figure 19). A relatively large proportion would like to use a smartphone app (30 percent). (Note that later questions asked specifically about an app from ADF&G.)

Smartphone App

Later on the survey, specific questions about an ADF&G-smartphone app revealed strong interest. If the smartphone app primarily communicated sport fishing regulations, the vast

majority of respondents (82 percent) would “probably” or “definitely” use it (Figure 22). This was especially true of respondents residing in Alaska—especially avid anglers, those with children, and younger respondents (Figure 23).

Respondents expressed relatively lower interest in using the app for trip planning purposes. Interest in that use was higher, however, among less avid anglers residing in Alaska (Figure 21).

Widely desired features on the app included showing SFR in one’s current location (88 percent would “definitely” use), showing Emergency Orders in effect (81 percent), and searching for regulations by species (72 percent).

Most respondents also selected other app features, such as storing a legally valid, digital copy of one’s license and purchasing a license from ADF&G. For women residing in Alaska, being able to see a tide chart and identify fish species were relatively popular (Figure 25). A relatively popular feature with Alaska residents overall was the ability to record one’s fishing harvest for a personal log (Figure 26).

Presentation of Regulations

Concerning the presentation of SFR, respondents were clear (Figure 33). The majority of respondents preferred language and format as follows:

- *Positive* phrasing that states what and when something is permissible to do.
- *Active* phrasing that addresses people directly (in second-person “you” form).
- *Injunctive* phrasing that tells people what they must or must not do (again in second-person “you” form).
- The *tabular* display of information, compared with sentences or a list.

The majority of respondents—76 percent—preferred seeing all the regulations they need in one place, compared with looking at general regulations and then searching for specific ones (Figure 34).

Facebook Content

On ADF&G Facebook pages, 48 percent of respondents preferred a scope *smaller* than the state as a whole—i.e., one region, a river drainage, or a local area (Figure 35). Only 24 percent preferred to see content on the whole state in one Facebook page.

The most important types of content on Facebook involved 1) emergency orders, 2) fishing reports, and 3) alerts about things like fishing “hot spots” and red tides.

Recommendations

Reduce and simplify regulations. This refrain occurred across all phases of this project. As one resident observed on the survey, “instead of continuing to add new regulations every year, try REMOVING some regulations to make fishing, and hunting, easier for us residents.” This approach would reduce the burden on ADF&G to ensure sport anglers’ compliance and comprehension. Ultimately, it would reduce (although not eliminate) current challenges of communication.

Build a smartphone app. Response to the idea of a smartphone app was overwhelmingly positive. At minimum, the app should include the following features:

- Display regulations both in current location and in other locations where the user is not currently located.
- Display in an obvious way where Emergency Orders are in effect (and where they are not).
- Digital, legally valid copy of license.
- Identify fish species: multiple photos of fish species at different ages and stages.

The following additional features would make the app even more useful and popular:

- Fish counts.
- Tide charts.
- Record fishing harvest for personal reporting.

In addition, potential benefits could accrue in allowing users to report their harvest to ADF&G. ADF&G should consider using this potential function of the app to augment or to corroborate the accuracy of the Statewide Harvest Survey—or at least to provide additional information for comparison. Another potential benefit of the app would be to allow ADF&G to target communication with app users, for example, by enabling precise delivery of notifications or announcements based on what those users have done or reported in the past. To be clear, these ideas were not explicitly tested in the online survey but should be retained as possibilities to test going forward.

Lower the burden of interpretation. The smartphone app should not merely reproduce the wording of the current regulations booklets. Instead, the app should allow for sorting and filtering of information. As an example, a user should be able to find out easily how many salmon they can keep in a particular location, given the day, Emergency Orders in effect, and type of equipment being used.

Continue to improve the regulations booklets and ADF&G website. These sources of information are popular and will remain so in the near future. Respondents generally preferred finding all the regulations they need all in one place (versus looking at general regulations and then location-specific ones). They also generally preferred looking up regulations based on geography and species. ADF&G should consider creating sets of regulations for popular species and locations on the road system—for example, a guide to salmon fishing on the Kenai Peninsula. These could be stored on the ADF&G website to avoid printing costs of paper booklets.

Support indirect forms of communication. “Word-of-mouth” is an effective, low-cost form of communication. When license purchasers provide an email address, ADF&G could send a follow-up email inviting them to receive relevant Emergency Orders by email. One assigned staff member per region could be responsible for maintaining a relationship with newspapers and radio stations, providing information strategically in terms of timing (i.e., before weekends and avoiding major news stories).

Rephrase regulations. Many changes would be simple to implement and are popular among the clear majority of respondents—using positive language, active phrasing, injunctions, and tabular display of information. After implementing these changes, ADF&G should look for additional ways to increase the comprehension of regulations.

Significantly rewrite news releases for Emergency Orders. Both staff members and focus groups participants emphasized these are difficult to understand. Simple, jargon-free language should be used, along with bullet points and clear definitions of geographic boundaries. Including maps was a popular idea. (Further instructions for improving the communication of Emergency Orders via news releases can be found in Appendix 1.) Ultimately, responsibility for writing news releases should fall to appropriately trained staff members, such as information officers.

Background of the Project

Regulations governing sport fishing in Alaska are complex. Through official and unofficial channels, members of the public comment on the difficulty of understanding them. Within the past few years, the Division of Sport Fish at Alaska Department of Fish & Game (ADF&G) has begun seeking to make sport fishing in Alaska easier for anglers especially by seeking to make sport fish regulations easier to access, comprehend, and follow.

In 2017 and 2018, ADF&G contracted with DJ Case & Associates as part of the effort to develop and improve tools that will effectively deliver and communicate sport fishing regulations to the public. Data collection involved three major phases: 1) interviews with ADF&G agency staff and members of the general public; 2) focus groups in four locations with residents of Alaska who held a sport fishing license in 2017; and 3) an online survey of randomly selected US residents who held a sport fishing license in 2017.

Throughout this report, all statements, data, and descriptions refer only to sport fishing, sport fishing regulations, and sport fishing licenses, not to any other types of fishing present in the state.

Insights from Interviews with Staff Members

DJ Case conducted telephone interviews with 16 staff from ADF&G during December 11–20, 2017. The interviews were semi-structured: the interviewer had a list of questions but deviated from them as needed to ask follow-up questions or to focus on more salient issues. The interviews lasted for 30 to 60 minutes. Participants came from throughout the regions of the state and comprised the following positions:

- Area Management Biologist ($n = 3$)
- Assistant Area Management Biologist (3)
- Education Associate III (1)
- Fish & Game Program Tech (5)
- Information Officer II (1)
- Program Coordinator I (1)
- Regional Management Coordinator (2)

From the interviews emerged a number of realities. First, communicating regulations is a multi-pronged effort, and modernizing sport fishing regulations in the state will need to take into account the variety of channels and methods anglers receive regulations, including booklets, radio and newspaper stories, posted announcements, and more.

Second, staff members interviewed rarely trust themselves to understand and comply with regulations. Most reported that if they are fishing in an unfamiliar area or for a new species, they check with other staff members first. It may be worth noting that no staff members mentioned contacting law enforcement or troopers to understand the regulations.

Third, interviewees themselves desired simpler regulations. One mentioned, for example,

that the background regulations and in-season Emergency Orders can be confusing. Another desired geographic consistency: if one creek is no-bait all year, it would be simpler if the next one down the road were also no-bait all year.

Fourth, staff members interviewed overwhelmingly supported developing a smartphone app. By enabling users to select a geographic location, date, and species, the app would eliminate three major problems:

1. Geographic uncertainty: “I don’t know where I am.”
2. Lack of knowledge or awareness of Emergency Orders.
3. Signs that are inadequate, out of place, or outdated (even though they are GPS-tagged).

The app could also function as a modest trip planner, according to staff members interviewed. Users could input what they want to catch and what kind of equipment and bait they want to use. Then the app would show what is open now. A pop-up would alert the user to an Emergency Order in effect. The app would have to be clear that Emergency Orders may be pending if the user is outside of signal range. The app should have simple dropdown menus, a clean interface, no sublinks, and no clutter.

Insights from Focus Groups

Following the interviews, DJ Case conducted four focus groups with 36 license holders during February 2018 in Anchorage, Palmer, Juneau, and Fairbanks. By design, nearly all participants were under 35 years old, and one focus group had only women participants. The reason was to hear the voices of the next generation of anglers as well as target audiences ADF&G is trying to reach. Despite the composition of the focus groups, participants’ results unexpectedly matched closely with the results from Alaska residents in the online survey.

Focus group and survey participants both rated their understanding of regulations on a scale of 1 to 5, where 1 meant “don’t understand at all” and 5 meant “understand well.” In the focus groups, the mean was 3.5; in the online survey, the mean was 3.7.

In the focus groups, the overall attitude toward regulations can be summed in one participant’s statement: “I hate reading through the regulations. I hate having to figure out what I can do.” The overall desire for how they are written is, “in plain English,” as another participant said. Behind the frustration with regulations was the desire to do the right thing and to avoid punishment. For example, one said, “getting fined is definitely not something we want to do, especially with my husband being in the military; he could get in trouble.”

Focus group participants and Alaska-only survey respondents were generally similar in how they access SFR, with the regulations booklet (in paper or digital form) being popular. Among both sets of respondents, social media, other Internet sources, and contacting ADF&G were relatively unpopular.

Asking someone for help interpreting sport fishing regulations was more popular among focus group participants than among Alaska residents in the online survey.

Table 1: How License Holders Currently Access Regulations
(Focus Groups and Survey—Alaska Residents Only)

Item	Focus Group (%)	Survey (%)
Booklet (paper)	61	56
Ask someone	53	25
Booklet (digital)	50	67
Tackle store	36	22
Internet source	25	12
Local area office	14	17
Facebook	11	7
Other	8	5
Other social media	3	0

To increase the comprehension of information, focus group participants requested deployment of a smartphone app and more targeted use of Facebook. In opinions about a smartphone app, focus group respondents generally matched Alaska residents in the online survey.

Table 2: Preferred Features of Smartphone App (Focus Groups and Survey)

Item	FG Rank	Survey Rank
Regulations in current location	1	1
Emergency orders	2	2
Buy license	3	5
Record your harvest	4	7
Identify species	6	6
Tide chart	5	3
Geographic location	7	4
Weather	8	8

Online Survey

To examine these insights further, DJ Case conducted an online survey between June 14, 2018, and July 1, 2018.

Objectives of Online Survey

The survey sought to accomplish five major objectives among sport fishing license holders:

1. Assess perceptions of Alaska's sport fishing regulations.

2. Assess the extent to which lack of access to and understanding of Alaska's sport fishing regulations affects angler participation.
3. Identify the methods by which anglers currently access Alaska's sport fishing regulations.
4. Determine preferences for presenting Alaska's sport fishing regulations in terms of writing style, content organization, and audio-visual supports.
5. Determine angler preferences for current and future methods of delivery of sport fishing regulations.

Survey Method

The total number of Alaska sport fishing license holders in 2017 residing in the United States at the time of issue was 424,139. A random sample was drawn of individuals who met the following conditions:

- Purchased a sport fishing license in 2017.

Or

- Obtained a Permanent ID card (PID) in 2015–2017 (license holder is older than 59 years old or because the license holder is a disabled veteran).

And

- 18 years of age or older on June 13, 2018 (according to the date of birth the individual provided).
- Resided in the United States when license was purchased (or obtained).
- Provided a valid, unique email address at the time of obtaining the license.

The questions were programmed into the survey website QuestionPro. Each respondent received a unique link via email to take the survey. Each selected person received two follow-up reminders to complete the survey.

Using the birth date the license purchaser provided, people who would be under 18 years old were removed from the license database before the sample was drawn. Despite this precaution, 3 respondents indicated they were under age 18 when they selected their age category during the survey. These were removed before conducting further analyses.

Survey Responses

The average (mean) length of time to complete the survey was 15 minutes, with a median time of 11 minutes.

No questions were required. Item non-response fluctuated depending on the question asked. For example, some reported that they were unsure how to answer some questions due to their having fished in Alaska only once. Each figure therefore provides the number of responses to the survey question as a caption.

Response rates were calculated using the second definition provided by the American Association of Public Opinion Research (AAPOR): $(I+P) / ((I+P) + (R+NC+O) + (UH+UO))$, where

- I is the completed interviews (surveys),
- P is the partially completed interviews,
- R is refusals (both overt refusals and implicit refusals of those who decline to take the survey),
- NC is non-contact (including invalid, returned, and undeliverable email addresses),
- UH is unknown household, and
- UO is unknown other.

A total of 20,430 individuals were invited to complete the survey. Of these, 1,991 had provided an email address that was improperly formatted or ineligible to receive emails (e.g., the mailbox was full or the recipient was no longer with the company); therefore, a total of 17,884 invitations were not returned. Of these, 3,955 provided partial or complete responses. The calculated overall response rate was 18.1 percent, although this varies slightly depending on the particular question.

Given the size of the response set, the margin of error for the descriptive statistics are +/- 2.04 percent at a percent confidence level of 99% when a dichotomous variable is split evenly into bimodal responses. The margin of error for a dichotomous response where 20 percent select one option (and 80 percent select the other) is +/- 1.63 at the 99% confidence level.

Examinations of Bias in the Survey

How well did the respondents match the license database as a whole? One way to check is to compare the age of respondents who responded relative to the license database as a whole. Survey respondents were somewhat older than the overall license database. The online method of data collection did not skew the respondents toward being younger but, rather, toward being slightly older on average.

Table 3: Age Categories of License Holders and Survey Sample

Age category	Survey (%)	License database (%)
18-24	5.3	9.1
25-34	20.0	19.0
35-44	25.3	17.9
45-54	25.7	18.7
55-64	21.9	20.6
65+	1.8	14.8

Another way to examine bias is to check the proportion of respondents from the state of Alaska. For all 2017 license holders, 41.4 percent listed residing in Alaska. For survey respondents, the percentage was 45 percent. The online survey response set closely matches

the overall license database.

A third way is to examine the proportion of women. In the 2017 sport fishing license database as a whole, 24.5 percent listed their sex as female, compared with 22.7 percent among survey respondents. The survey response set closely matches the overall license database.

Given these comparisons, there is little reason to suspect that the survey response set is biased in terms of demographics. Further comparisons can be made using respondents' preferences to indicate if they were, say, more "tech savvy" or "digitally inclined" compared to other license holders. While a baseline is not available, the results for certain questions do not raise concerns. For example, Figure 19 shows the differences between how respondents *currently* access SFR and how they would *like* to do so. If the response set contained primarily "tech savvy" respondents, one would not expect to see such high usage of a decidedly traditional form of communication like the paper version of the regulations booklet. One might also expect to see much higher rates of accessing SFR via new media forms (such as Twitter or Facebook). Neither of these is the case.

Survey Results

In the charts below, many variables are cross-tabulated by five others that help to illuminate demographic differences and similarities across target audiences:

- Gender: whether a respondent *residing in Alaska* identified as woman or man.
 - 19 respondents selected "Other" for gender. Their representation in this survey is too small to make accurate claims as a standalone group; therefore, they are excluded in cross-tabulations of gender but included in all other tabulations and cross-tabulations.
- Residence: whether or not the respondent lives in Alaska.
- Parental status: whether respondents *residing in Alaska* have one or more children under 18 years old in the household.
- Age category: the age of respondents *residing in Alaska*, divided in categories as follows:
 - 18–24 years old
 - 25–34 years old
 - 35–44 years old
 - 45–54 years old
 - 55–64 years old
 - 65 or more years old
- Times fish per year: the number of times a respondent *residing in Alaska* has sport fished in Alaska per year, averaged over the past three years.
 - 0 times per year
 - 1–5 times per year
 - 6–10 times per year
 - 11–15 times per year
 - 16 times or more per year

- A variable that measures total years a respondent has been sport fishing in Alaska is not included in these cross-tabulations because the results are substantially similar to this measure.

Reading Results

Overall results combine Alaska residents with non-residents. Most analyses of sub-groups, however, report trends for *just* Alaska residents.

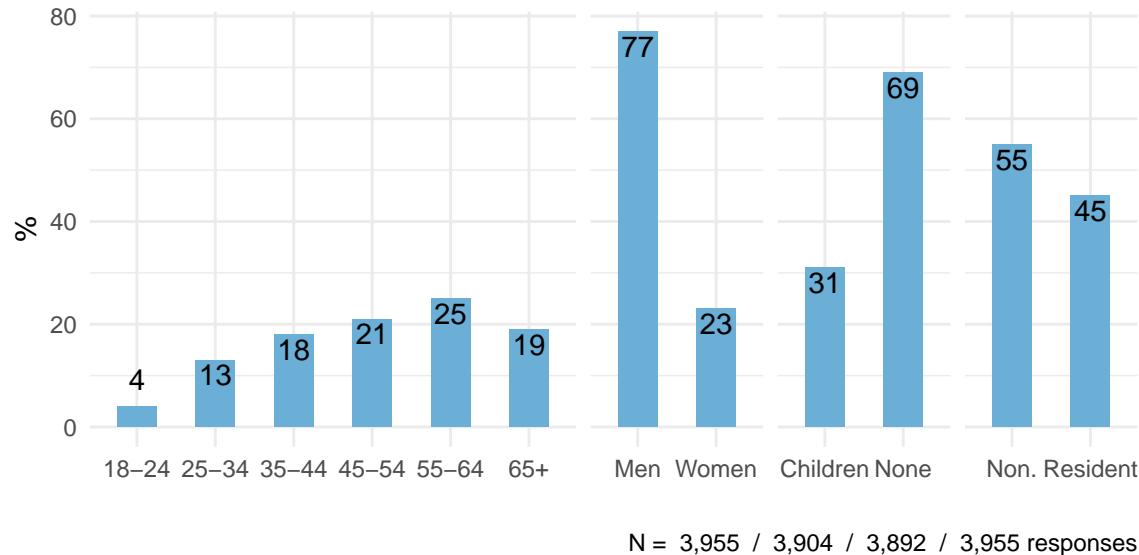
The number of responses are located in the bottom righthand corner of each chart. The order of the number of responses should be read left to right. The numbers indicate the number of *non-missing* responses from the relevant variables. For example, in Figure , there were 3,955 responses to question of a respondent's age category among respondents residing in Alaska; there were 3,892 responses to the question of gender among respondents residing in Alaska.

Throughout the report, in stacked column charts, percentages under 5 are not labeled due to lack of space.

Characteristics of Respondents

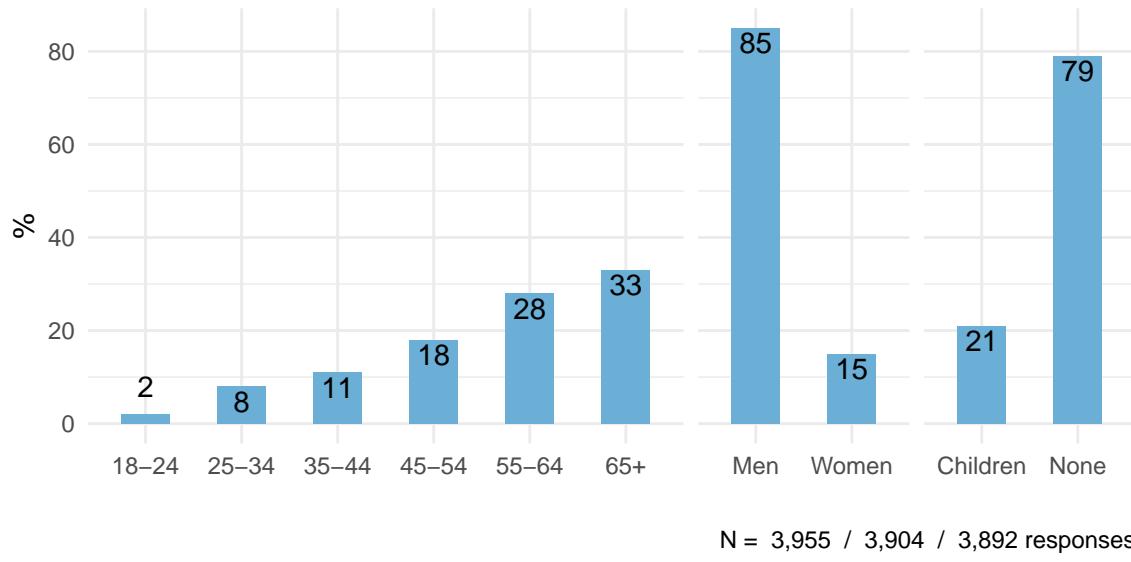
Figure shows characteristics of *all* respondents, whether residing in Alaska or elsewhere. The vast majority were between ages 25 and 64. Only about one-third had children.

Figure 1: Characteristics of All Respondents.



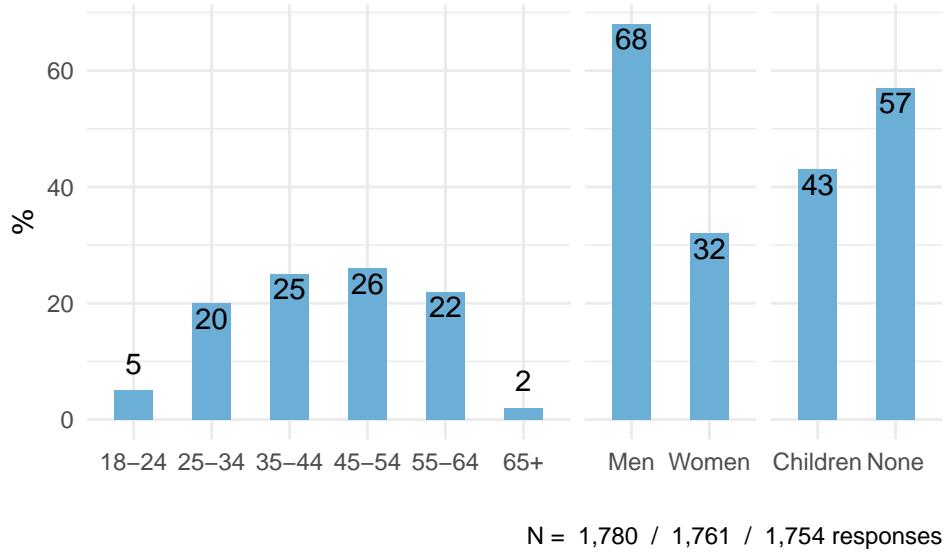
Note that the overall response set blends two quite distinct sub-groups—residents and non-residents. Figure 2 shows *only* characteristics of non-resident respondents. Non-residents tend to be older and male. Relatively few (21 percent) have children under 18 in their household.

Figure 2: Characteristics of Non-Residents.



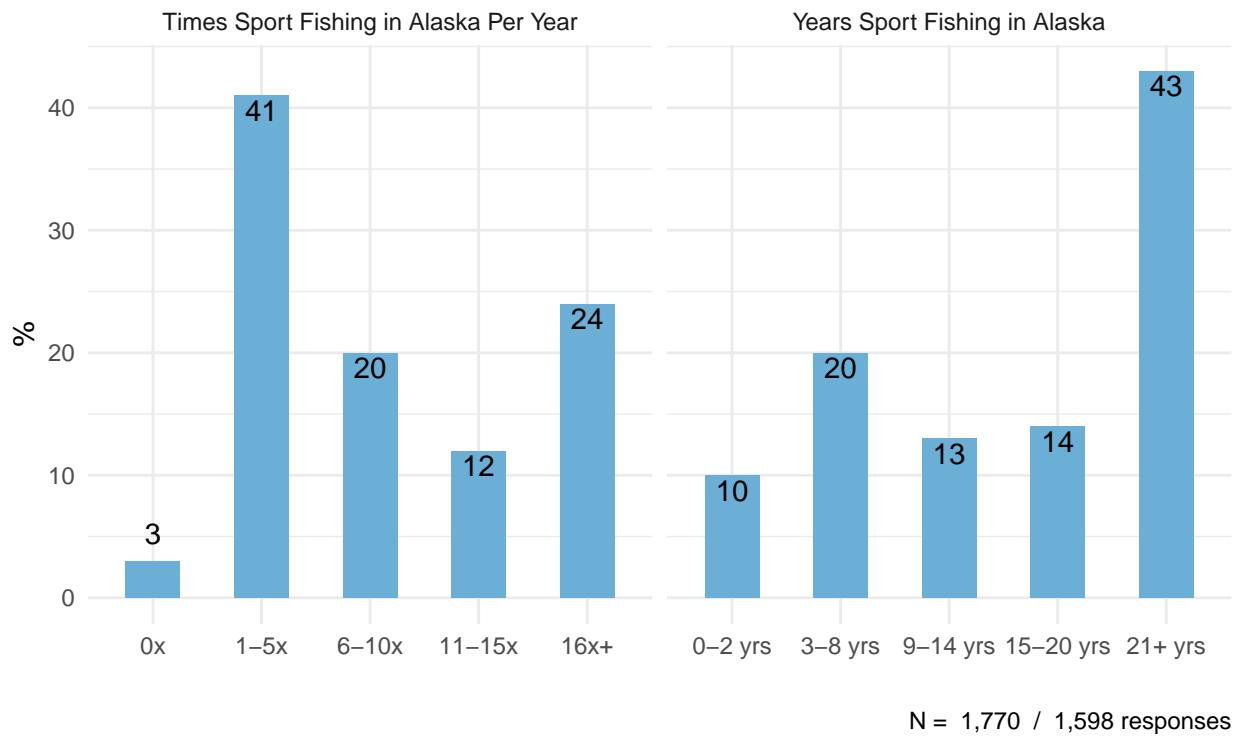
In contrast, respondents *residing in Alaska* were distinct (Figure 3). Most Alaskans were between 25 and 64 years old. A little less than half reported having any children under 18 in their household. This indicates that efforts to reach younger anglers are best targeted to Alaska residents themselves, not to non-residents.

Figure 3: Characteristics of Alaska Residents.



Among respondents residing in Alaska, almost half had been fishing for 21 or more years (Figure 4). Nearly half fish five or fewer times per year. This group is important because, as later figures show, they reported lower levels of understanding SFR compared with more avid anglers.

Figure 4: Experience Sport Fishing in Alaska (Alaskans Only).



In terms of years of experience sport fishing, respondents were generally similar across demographic groups (Figures 5 and 6). Note that “Gender” and “Parental Status” are for only those residing in Alaska.

One notable exception is variation by residence: Almost half of non-residents had only been sport fishing in Alaska the prior couple of years; meanwhile, almost half of residents had been sport fishing for over 21 years. Non-residents were especially likely to sport fish several times a year, whereas residents were more equally distributed in their frequency of sport fishing.

Figure 5: Years of Experience Sport Fishing in Alaska, by Group.

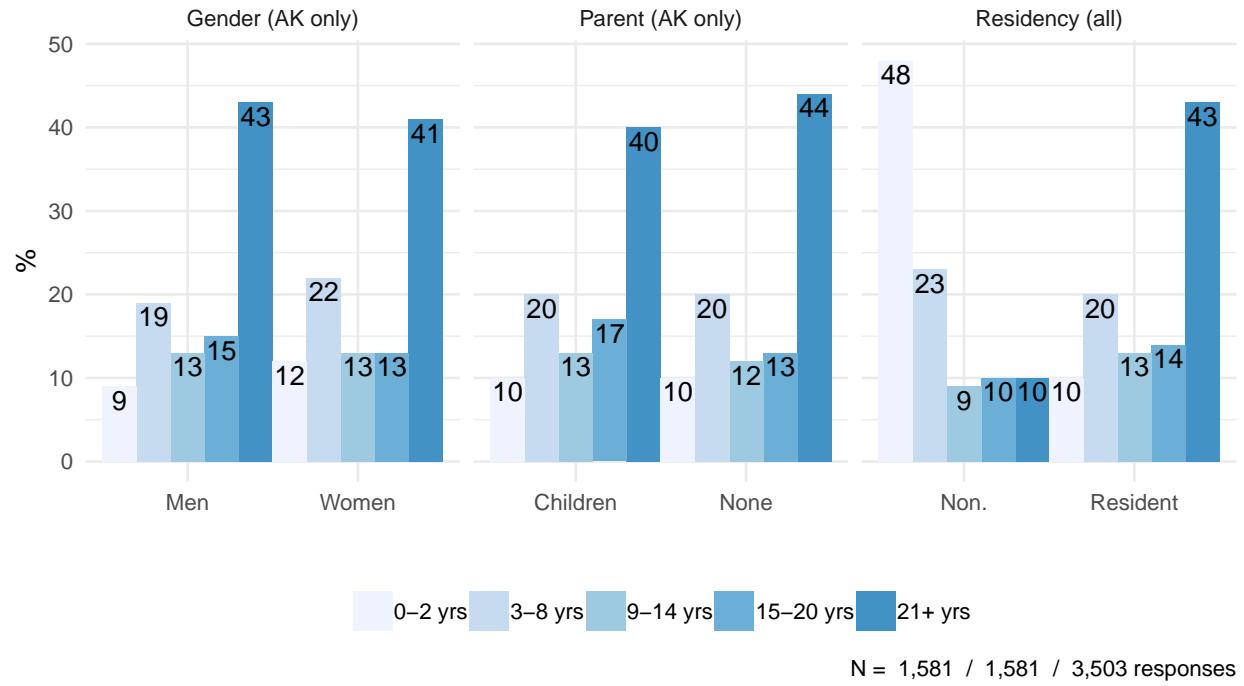
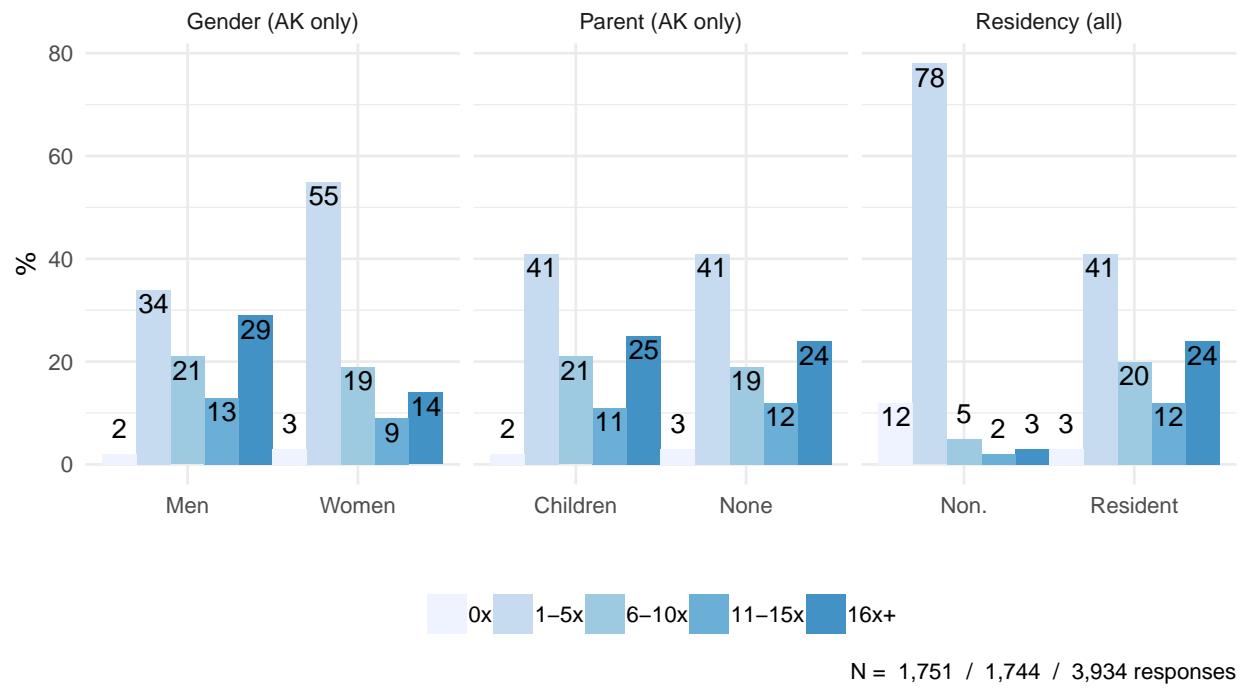


Figure 6: Times Sport Fishing in Alaska Each Year, by Group.



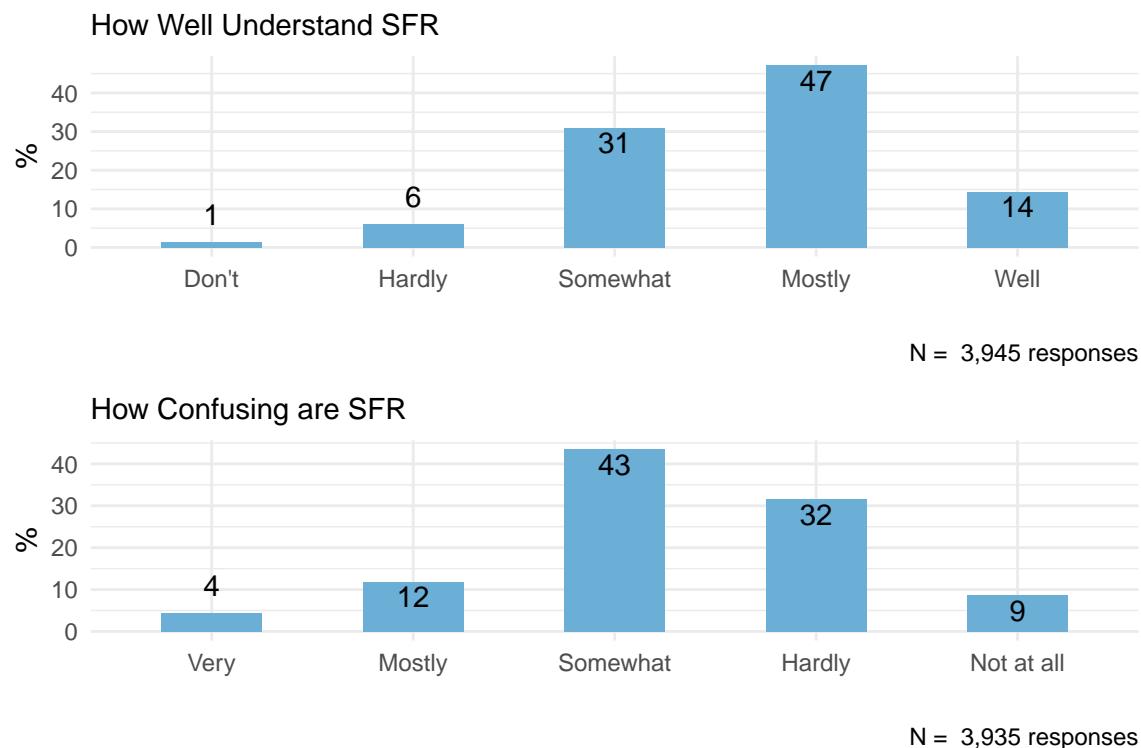
Perceptions of Regulations

The survey began with two related questions on how respondents perceived SFR in Alaska:

- Rate how well you understand Alaska sport fishing regulations.
- For you, how confusing are Alaska sport fishing regulations?

A small minority reported that they understood SFR “well” and that they were “not at all confusing” (Figure 7). Most indicated at least some level of confusion: 60 percent said SFR were at least “somewhat” confusing.

Figure 7: Understanding of SFR and How Confusing are SFR (All Respondents).



Levels of SFR understanding were consistent across demographic groups (Figure 8). Alaskans who fish frequently during the year expressed greater understanding of regulations than less avid anglers.

Alaska residents were likelier to find SFR confusing, compared with non-residents (Figure 9).

Figure 8: How Well Understand SFR, by Group.

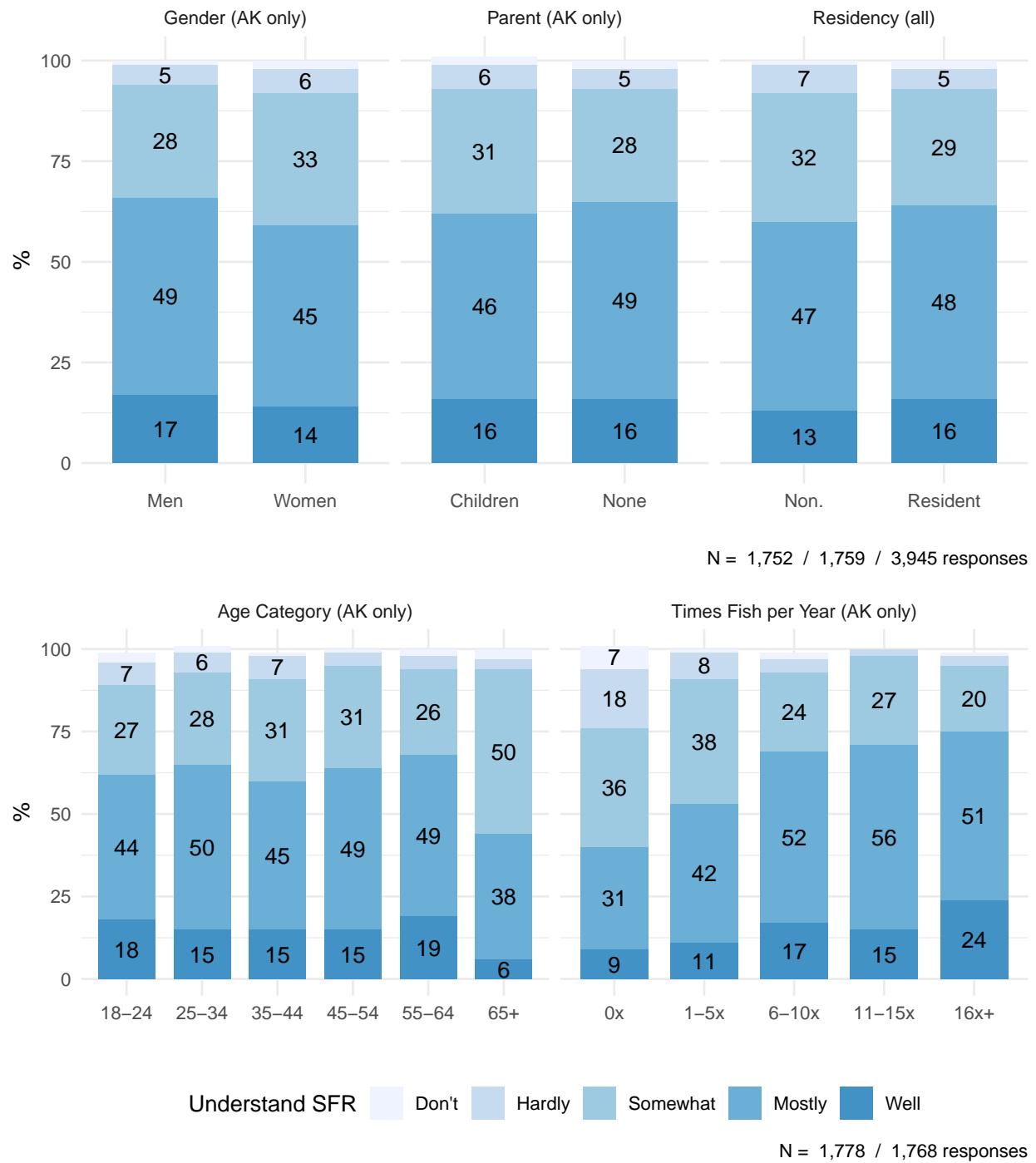
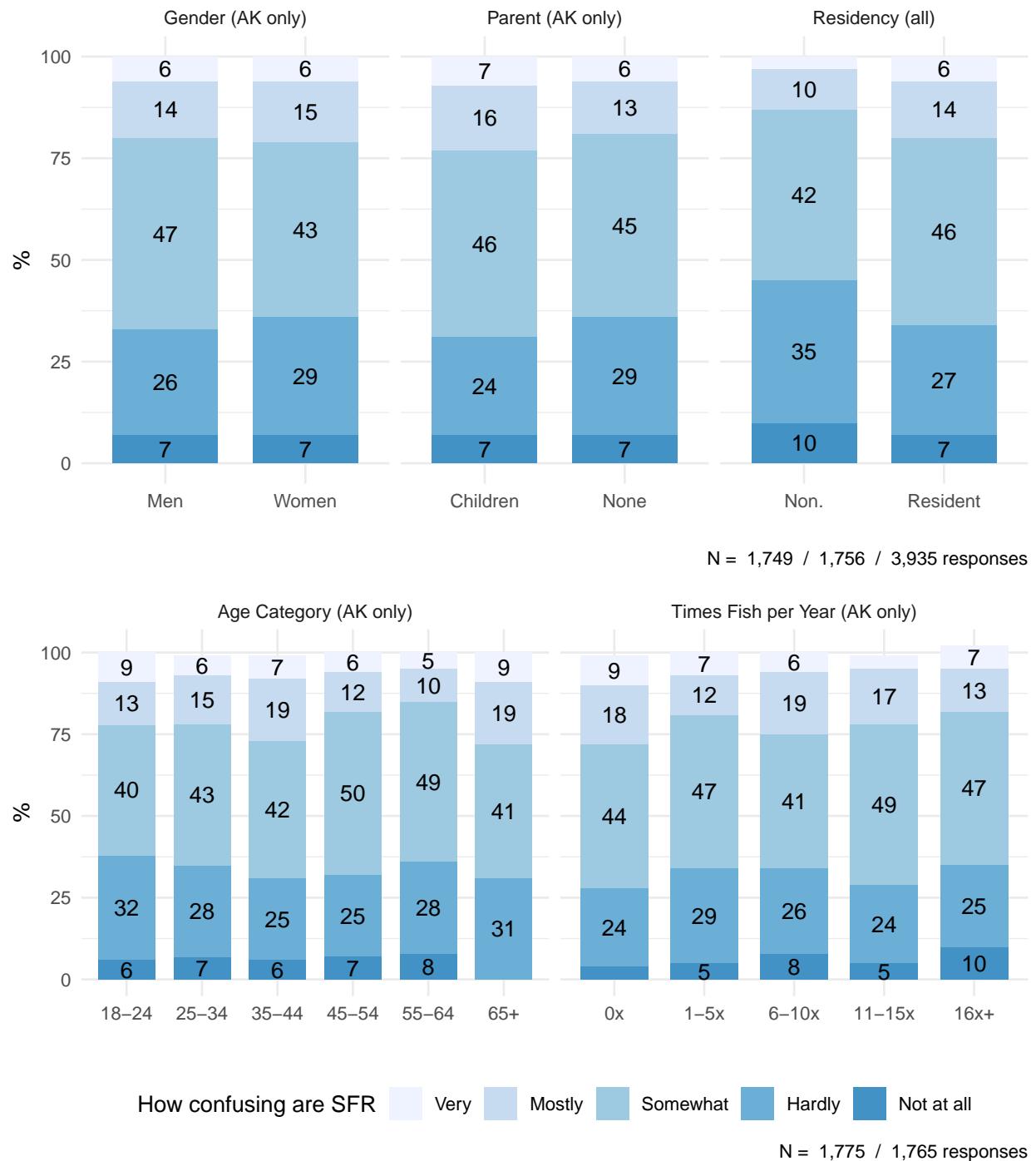


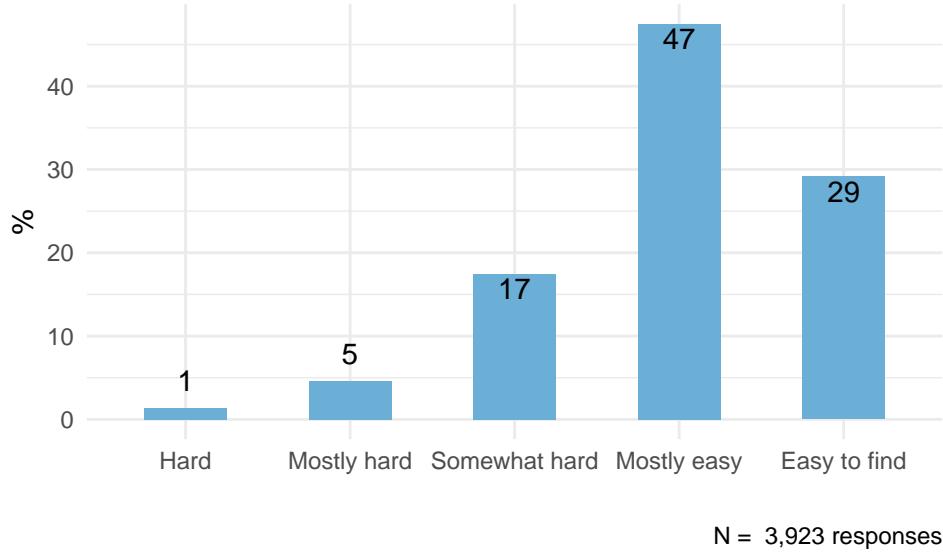
Figure 9: How Confusing SFR are, by Group.



- For you, how easy is it to find Alaska sport fishing regulations?

Respondents generally thought SFR were “easy” or “mostly easy” to find (Figure 10). Of these, however, only 29 percent thought they were “easy” to find. A minority (23 percent) thought they were “hard,” “mostly hard,” or “somewhat hard” to find.

Figure 10: Ease of Finding Alaska SFR (All Respondents).



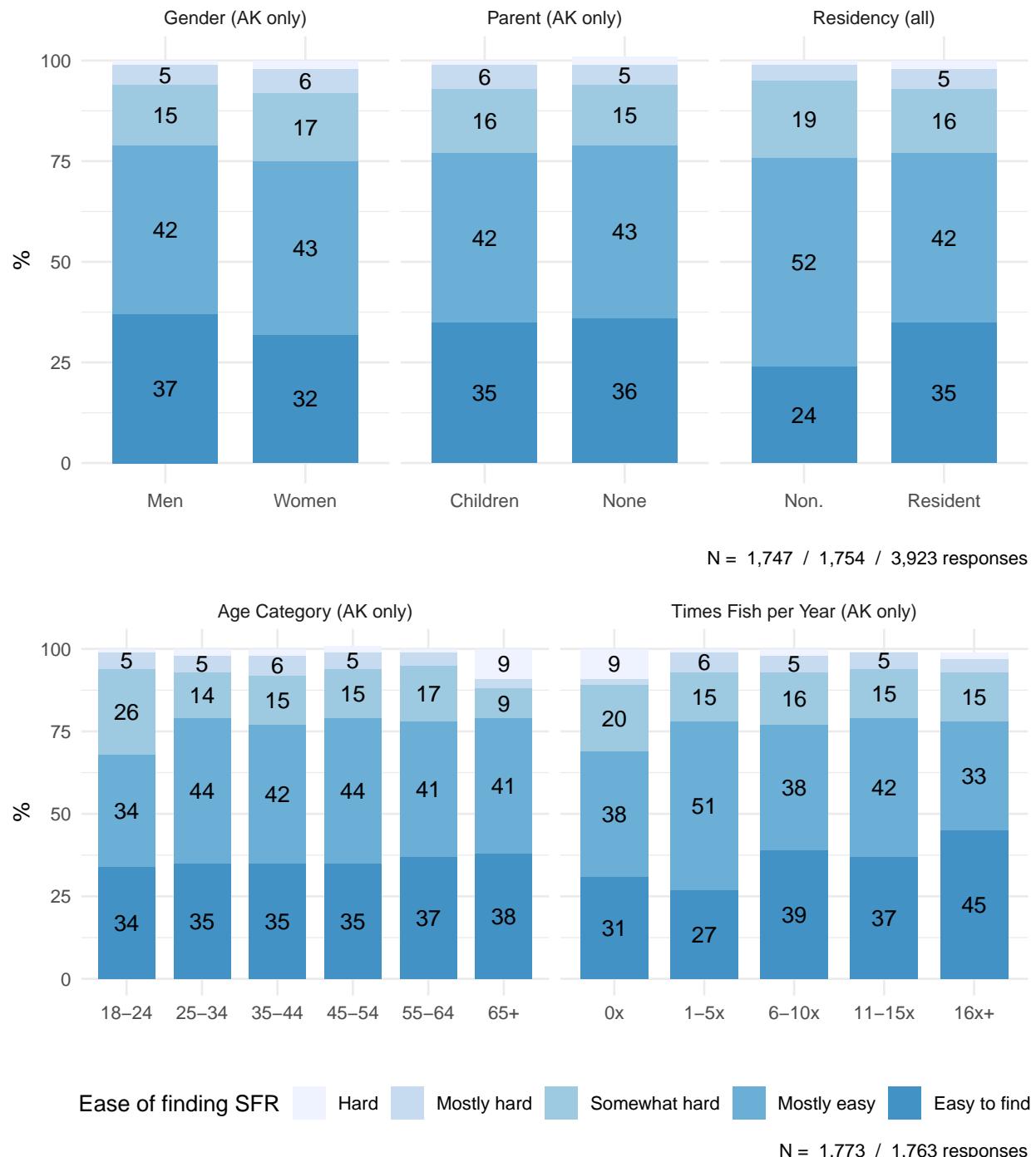
How easy SFR are to find and how well respondents perceived they understand them are related (Table 4). For example, respondents who said they “don’t understand” or “hardly understand” SFR tended to think SFR were “hard to find.” However, the overlap is not perfect: even some respondents who understood SFR “mostly well” or “well” still had difficulty finding SFR, and vice versa.

Table 4: How Easy SFR are to Find, by How Well Understand SFR (All Respondents)

Categories	Don't	Hardly	Somewhat	Mostly	Well	Understand Well
Hard	33%	35%	17%	10%	6%	6%
Mostly hard	6%	24%	52%	16%	2%	2%
Somewhat hard	2%	12%	50%	33%	3%	3%
Mostly easy	1%	4%	32%	57%	6%	6%
Easy to find	1%	1%	16%	46%	36%	36%

These perceptions stayed generally similar across demographic groups (Figure 11). Residents were slightly more likely to indicate SFR were “easy” to find, compared with non-residents. Less avid anglers, especially those who fish about 0–5 times a year, were likelier to think SFR were “hard” or “mostly hard” to find.

Figure 11: Ease of Finding SFR, by Group.



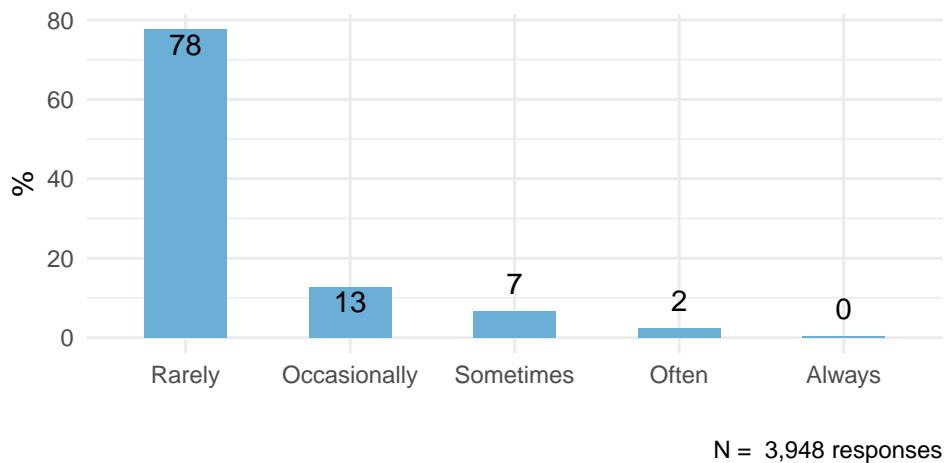
One concern is that sport anglers may reduce their level of participation due to SFR complexity. Respondents provided their perception:

- Does the complexity of Alaska sport fishing regulations ever keep you from sport fishing in Alaska?

The majority said the complexity of SFR prevents them from sport fishing “rarely (0–10% of the time)” (Figure 12). While this is a positive sign, this still leaves about one-quarter of respondents reporting *not* sport fishing at least “occasionally (25% of the time),” “sometimes (50% of the time),” “often (75% of the time),” or “always (100% of the time).”

This complexity has substantial consequences. One way to think about it is to imagine a group of 100 people, each of whom would take 10 fishing trips per year. In a scenario where SFR are not a barrier, we would expect to see 1,000 total trips from this group. However, according to these results, 13 of them would fish one-quarter fewer times (i.e., 7.5 times); 7 would fish one-half fewer times (i.e., 5 times); 2 would fish three-quarters fewer times (i.e., 2.5 times). The total actual number of times, therefore, would only be *911.75*, compared with 1,000—a shortfall of nearly 100.

Figure 12: How Often Complexity of SFR Prevents Sport Fishing in Alaska (All Respondents).

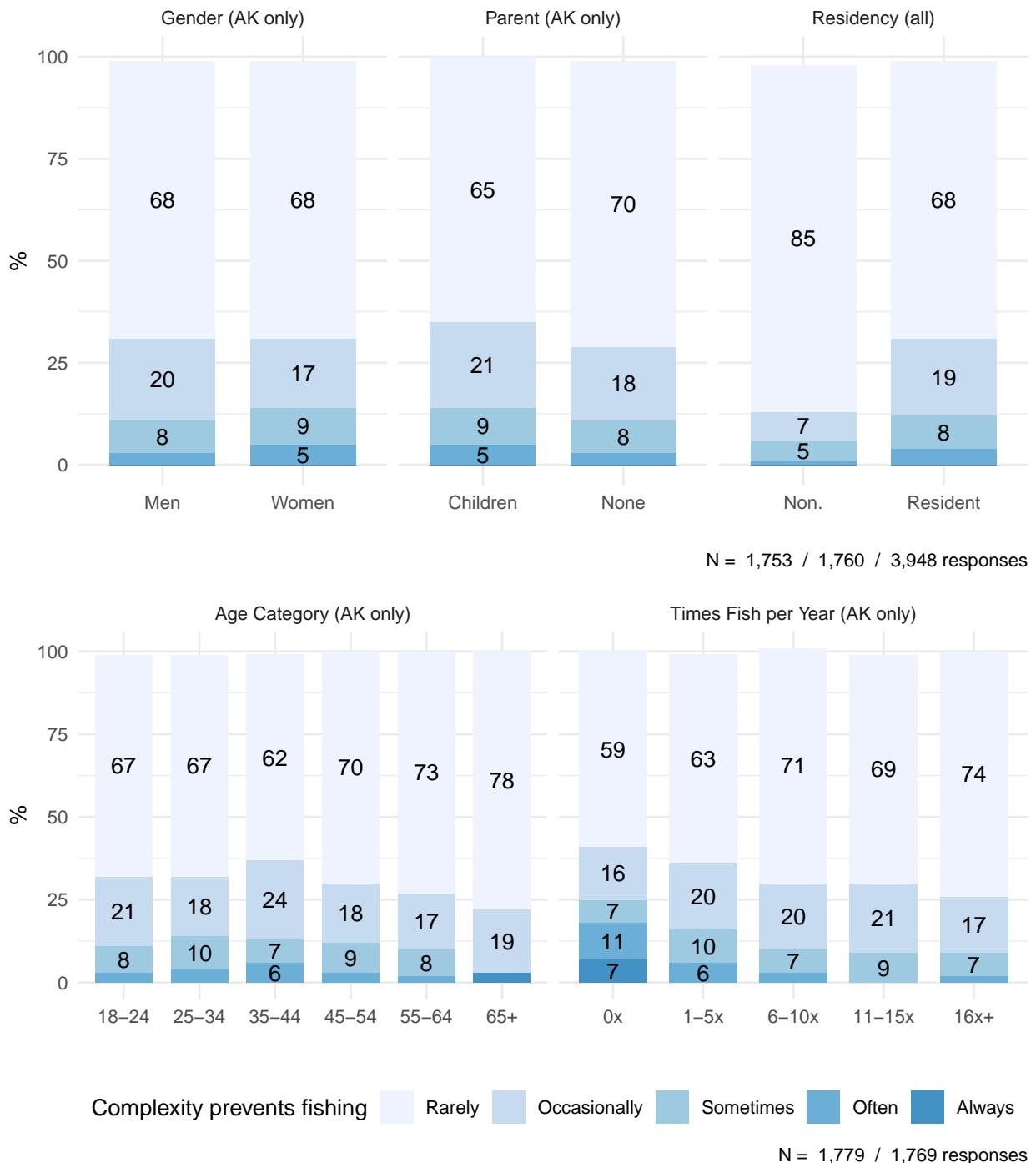


The extent to which SFR complexity prevents people from fishing varies across demographic groups (Figure 13). Alaskans with children were likelier to find SFR a barrier to fishing; so, too, were Alaska residents, younger respondents, and those who fish more frequently during the year.

For these groups, the complexity of SFR is particularly notable. Considering *just* Alaska residents, a randomly chosen group of 100 people attempting to fish 10 times a year would not fish 1,000 times; instead they would only fish about 875 times. That is, 19 of them would fish one-quarter fewer times (i.e., 7.5 times); 8 would fish one-half fewer times (i.e., 5 times); 4 would fish three-quarters fewer times (i.e., 2.5 times). The total number of times, therefore, would only be *877.5*—a shortfall of almost 125.

SFR complexity has the greatest effect on low-avid anglers residing in Alaska—i.e., those who averaged “0 times” fishing over the last three years. For this group, *nearly half* would fish more often if SFR were not so complex.

Figure 13: How Often Complexity of SFR Prevents Sport Fishing, by Group.



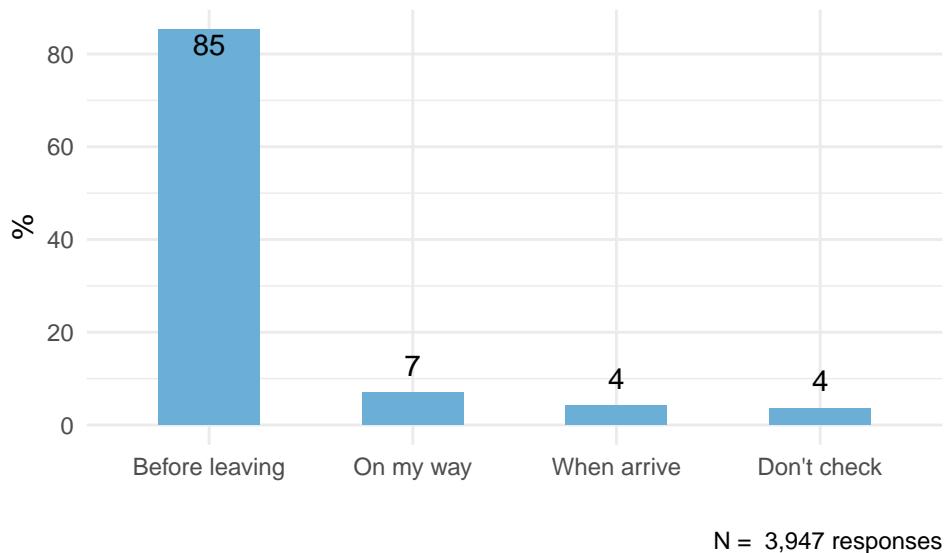
Checking Regulations

To illuminate the process of going sport fishing—especially the role of regulations—respondents provided answers to several questions about their behavior:

- When you *do* look up sport fishing regulations in Alaska, when do you typically do so?
- Have you heard of an Emergency Order before?
- How often do you or someone in your group check sport fishing regulations when you go sport fishing in Alaska?
- How often do you or someone in your group check if an Emergency Order has been issued for the area you are planning to fish?

The vast majority of respondents typically check SFR before leaving to go sport fishing (Figure 14). Very few respondents check on their way to fish or when they arrive. These percentages are nearly identical across major demographic groups (figure not shown).

Figure 14: When Respondent or Other Person in Group Checks SFR (All Respondents).

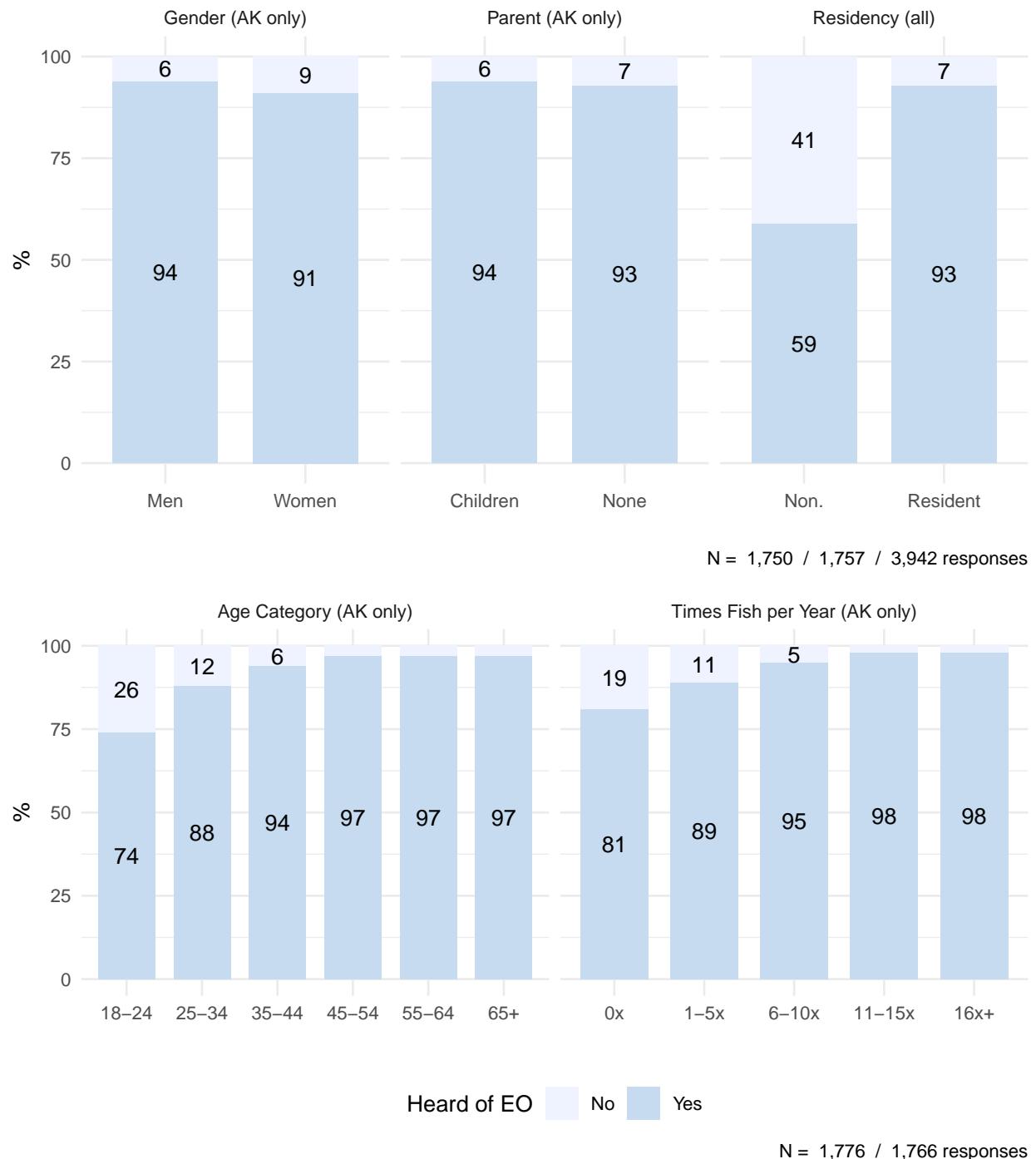


Among all respondents, 26 percent had *not* heard of an Emergency Order before. Among non-residents, this percentage rose to 41. Among Alaska residents, it fell to 7.

This result cannot simply be attributed to unfamiliarity with the term, since the question explained what an Emergency Order does: “Sometimes ADF&G issues an Emergency Order during the fishing season. An Emergency Order changes sport fishing regulations on short notice in a specific area for a specific time period (e.g., reduces the bag limit on king salmon in River X for part of the season). Have you heard of an Emergency Order before?”

Figure 15 shows the differences among groups. Nearly all anglers residing in Alaska who fish more than six times a year had heard of Emergency Orders. Groups less likely to have heard of Emergency Orders were low-avid anglers residing in Alaska and 18–24-year-olds residing in Alaska.

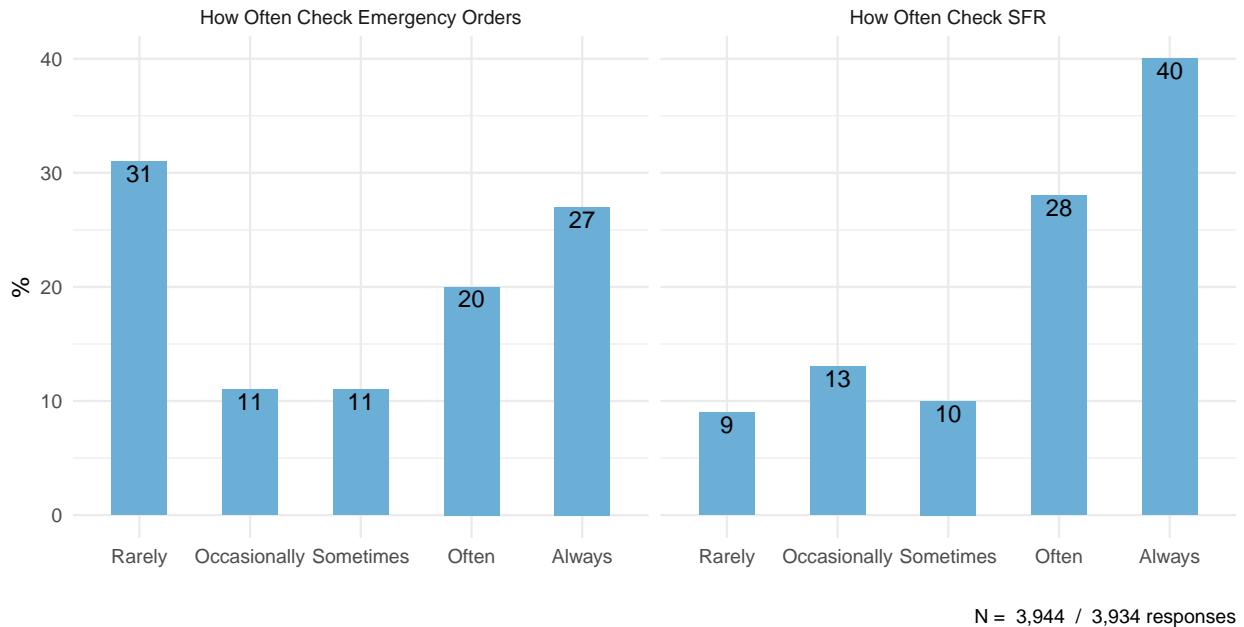
Figure 15: Heard of Emergency Order Before, by Group.



Overall, respondents readily reported *not* checking Emergency Orders or SFR before fishing (Figure 16). Only 27 percent check Emergency Orders “always” compared with 40 percent who check SFR. As in Figure 12 above, the response categories were defined as follows:

- Rarely (0–10% of the time)
- Occasionally (25% of the time)
- Sometimes (50% of the time)
- Often (75% of the time)
- Always (100% of the time)

Figure 16: Frequency of Checking SFR and Emergency Orders (All Respondents).



One possible explanation for these relatively low numbers is that many anglers in Alaska are visiting and therefore do not need to look up SFR or check Emergency Orders (since they have a guide or a chartered excursion). As Figures 17 and 18 show, this is not the case.

Even among just Alaska residents, a small proportion (37) “always” checks regulations when they go sport fishing. Indeed, 29 percent typically check SFR about half the time or less.

An even larger 44 percent of Alaska residents said they typically check Emergency Orders half the time or less.

Figure 17: How Often Respondent or Someone in Group Checks SFR, by Group.

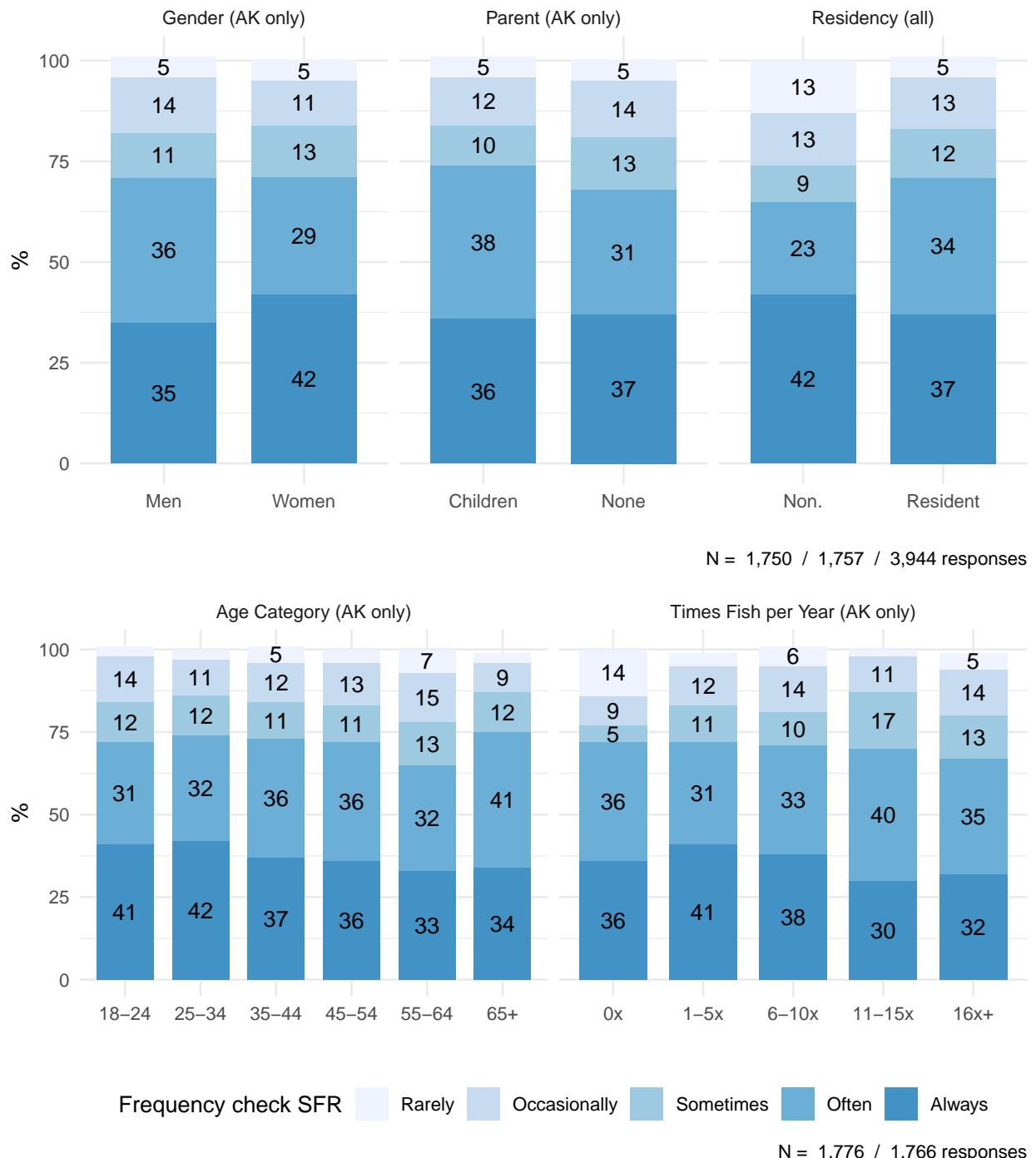
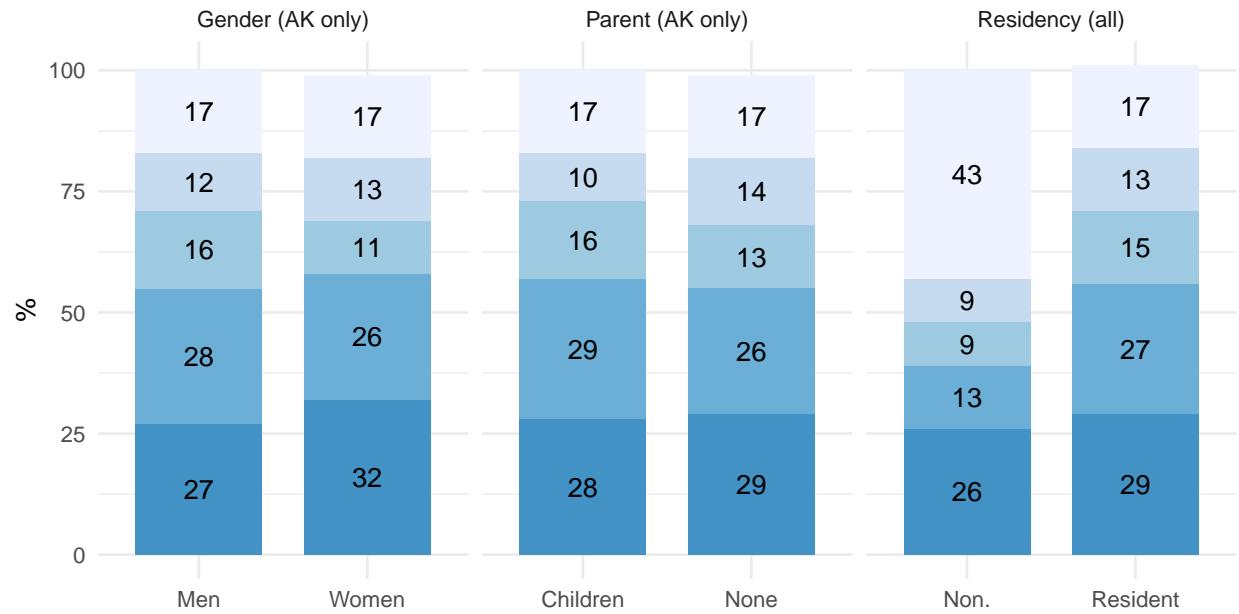
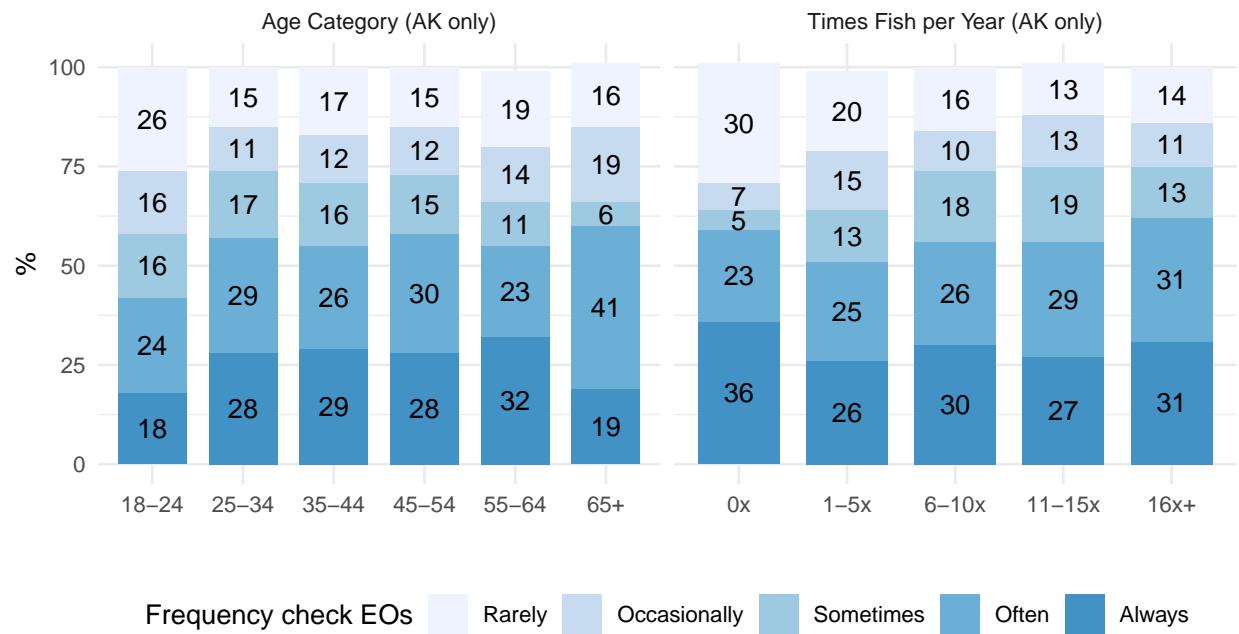


Figure 18: How Often Respondent or Someone in Group Checks for Emergency Order, by Group.



N = 1,751 / 1,758 / 3,934 responses



Accessing Information about Regulations and Emergency Orders

SFR can be found and accessed through a number of media and methods—paper regulations booklet, radio, social media, and so on. Respondents were asked how they currently get information about sport fishing regulations:

- **How do you currently get information about Alaska sport fishing regulations? (Select all that apply.)**

The most popular current source for finding information was the ADF&G website, followed by the paper booklets, and asking someone (potentially at a tackle store, sporting goods store, or bait shop). Relatively few reported using email, Facebook, Twitter, or other sources on the Internet (aside from ADF&G’s website). (See Table 5 and Table 6.)

Table 5: How License Holders Currently Get Information about SFR (All Respondents)

Sources	Use Now (%)
ADFG website	60
Booklet (paper copy)	39
Ask someone	26
Tackle store, sporting goods store, bait shop	22
Digital version on smartphone or tablet	20
Internet source, but not ADFG website	14
Sign board near fishing spot	12
ADFG staff or office (call, in-person visit, or email)	12
Other	8
Email	6
Facebook	4
Radio	4
Newspaper	3
((I don't access them - N/A))	1
Twitter	0

Out of the 3,955 respondents, a small minority selected “Other” method of accessing SFR. There were 58 respondents who provided additional information on how they access SFR. Of these, 21 mentioned getting information from a captain, charter, guide, lodge, (excursion) operator, or outfitter. For example, two respondents wrote that “Lodge manager and boat captain” and “the fishing lodge provides them.”

- **How would you *like* to get information about Alaska sport fishing regulations? (Select all that apply.)**

Most respondents would like to continue using ADF&G’s website to get information about SFR. Few would like to use forms of media like Facebook, YouTube, Twitter, the radio, and newspapers.

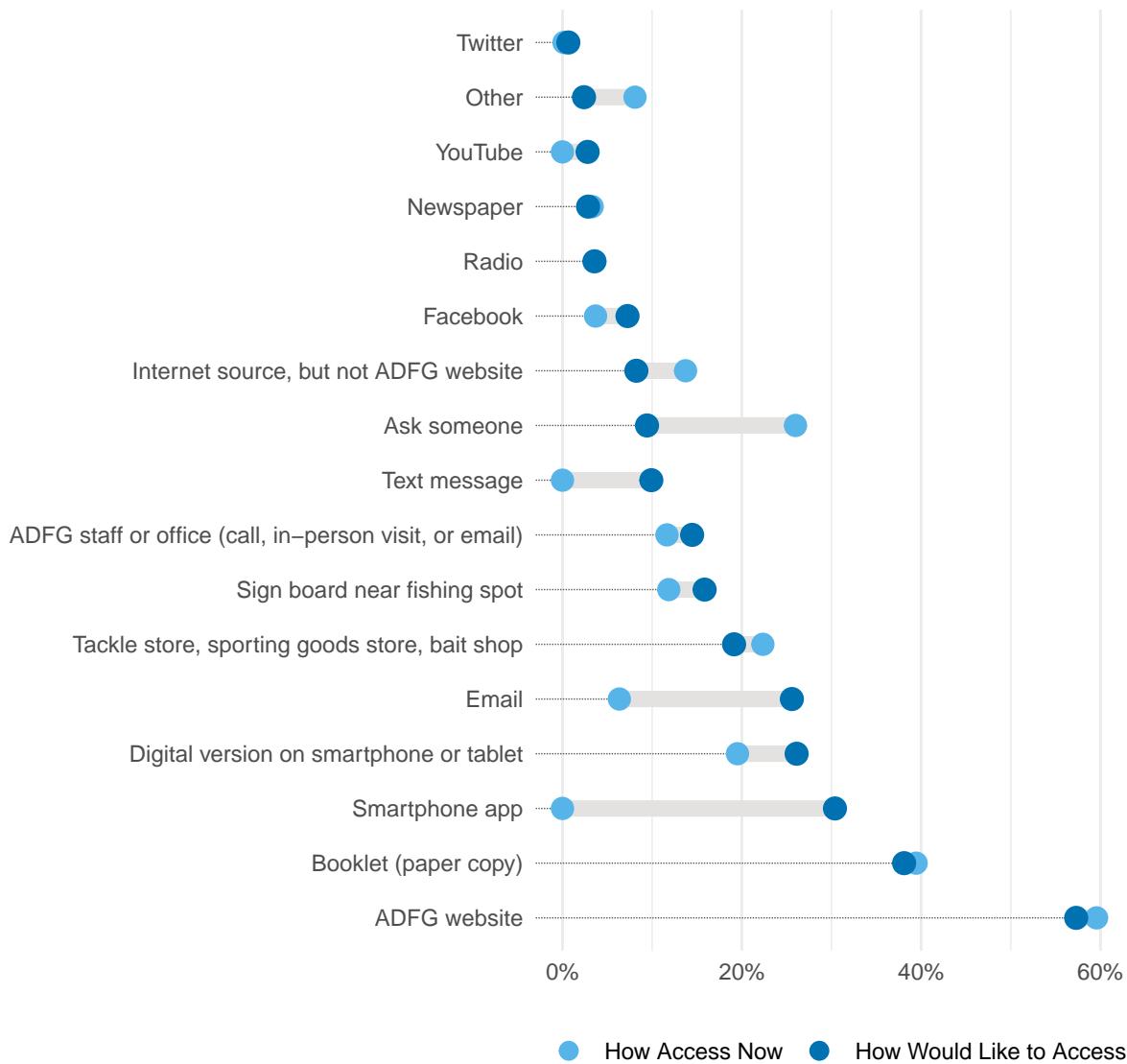
Table 6: How License Holders Would Like to Get Information about SFR (All Respondents)

Sources	Want to Use (%)
ADFG website	57
Booklet (paper copy)	38
Smartphone app	30
Digital version on smartphone or tablet	26
Email	26
Tackle store, sporting goods store, bait shop	19
Sign board near fishing spot	16
ADFG staff or office (call, in-person visit, or email)	14
Text message	10
Ask someone	9
Internet source, but not ADFG website	8
Facebook	7
Radio	4
Newspaper	3
YouTube	3
Other	2
Twitter	1

Figure 19 shows the differences between how respondents *currently* access SFR and how they would *like* to do so. The small light-blue dot shows the percentage of respondents who currently use that method to access SFR. The large dark-blue dot shows what respondents would like to do. Three major observations emerge:

1. A small proportion of respondents would like to use methods like Twitter, YouTube, Facebook, and other Internet sources aside from the ADF&G website.
2. A much larger proportion would like to use a smartphone app, a digital version of regulations they could access on a smartphone or tablet, or email. (Note that explicit questions about a smartphone app from ADF&G came later in the survey.)
3. The ADF&G website and paper booklets are widely used and likely will continue to remain so in the future.

Figure 19: Preferences for Access to SFR (All Respondents).



Via open-ended comments, few respondents suggested additional methods to get information about SFR in the future—only 27 provided ideas. Of these, 21 mentioned a captain, charter, guide, lodge, operator, or outfitter.

Some suggestions include the following, where the number in parentheses indicates the number of responses that stated a similar opinion:

- “A service where you can text the river name or species and the applicable regulations are texted back”
- “I really like the idea of the smart phone app- excellent idea!” (2)
- “Interactive map with regulations for species by location(open/closed etc)”
- “Phone recordings I can call to get up to date information” (2)

Respondents next had the opportunity to choose how they would like to receive notifications about Emergency Orders in the future:

- **How would you like to receive notifications about Emergency Orders? (Select all that apply.)**

Preferences for receiving notifications about Emergency Orders differed somewhat from preferences for SFR. Email and text message were relatively more popular; so, too, was a smartphone app. (Respondents were asked more questions about an app later in the survey.)

Table 7: How License Holders Would Like to Receive Notifications about Emergency Orders (All Respondents)

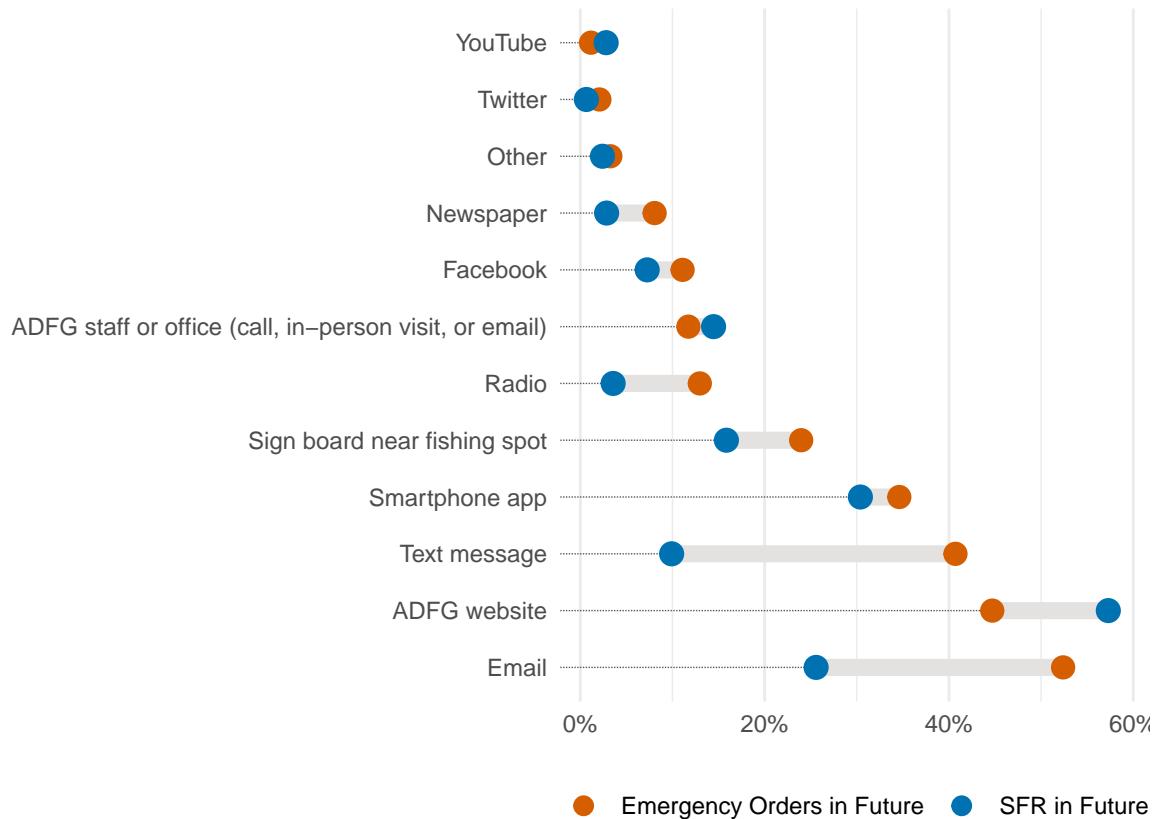
Sources	EO Notifications (%)
Email	52
ADFG website	45
Text message	41
Smartphone app	35
Sign board near fishing spot	24
Radio	13
ADFG staff or office (call, in-person visit, or email)	12
Facebook	11
Newspaper	8
Other	3
Twitter	2
YouTube	1

Out of the 3,955 respondents, 38 provided additional information on how they access SFR. Of these, 10 mentioned getting information from a captain, charter, guide, lodge, (excursion) operator, or outfitter. For example, two respondents wrote that “Loging [sic] and fishing guides” provide Emergency Orders and “guild [sic] informs us before going.”

Figure 20 compares preferences for accessing Emergency Orders and accessing SFR. (Emergency Orders are the orange dots; SFR are the blue dots.) Comparing methods of communication, preferences were similar for certain methods but substantially different for others. For example:

1. Email was the most popular method of notification about Emergency Orders, far higher than its use for communicating SFR.
2. Text message was far more popular as a way of communicating about Emergency Orders than it was for SFR.
3. Traditional media sources—i.e., radio and newspaper—were preferred by more respondents for notifications about Emergency Orders than they were for SFR. So, too, were sign boards posted at or near fishing spots.

Figure 20: Preferences to Access Emergency Orders and SFR in the Future (All Respondents).



Smartphone App

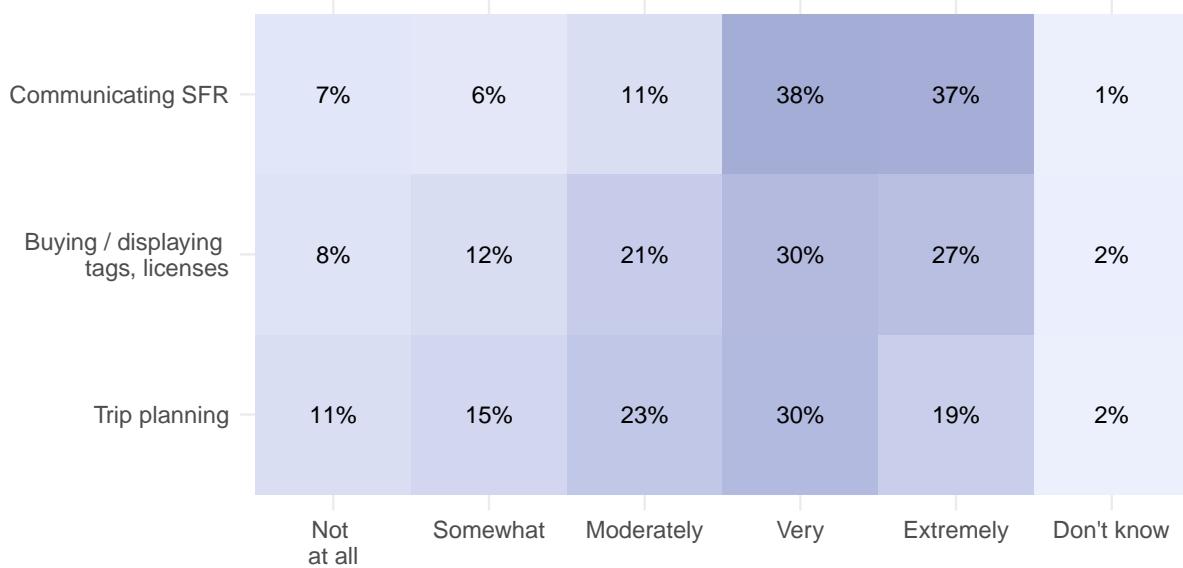
One way to communicate SFR is through a smartphone app, which ADF&G is considering creating. The app would allow data to be cached on the smartphone, granting offline access and then updating when the phone has cellular or Wi-Fi reception again. The online survey asked three sets of questions about this app. The first was as follows:

- **The app could focus on different tasks. How important is each to you?**

Figure 21 shows the relative importance of accomplishing different tasks on the app. Rows (variables) are arranged by mean score. The mean score for each variable was calculated by assigning a numeric value to each response category, excluding “don’t know” or missing responses, and then calculating the average.

Communicating SFR was the most important task ($n = 3,899$ responses). Second most important was allowing users to buy and display licenses and tags ($n = 3,880$ responses). The least important task was trip planning, or advising users on where, when, and how to fish ($n = 3,886$ responses).

Figure 21: Perceived Importance of Smartphone App Tasks (All Respondents).



The perceived importance of each task was broadly stable across demographic groups. However, some differences did emerge that may be useful to consider in targeting particular audiences:

- 83 percent of residents thought communicating SFR was “very” or “extremely” important, compared with 70 percent of non-residents.
- Among those residing in Alaska, less avid anglers viewed trip planning as more important: 51 percent of Alaska residents who fish 1–5 times a year thought trip planning was “very” or “extremely” important, compared with 40 percent of those who go 16 or more times a year.

The tables below show the average (mean) importance of the three major potential tasks to accomplish on the smartphone app. The higher the mean score, the more important respondents rated that task, on average.

Alaska residents with children thought communicating SFR was especially important: the mean score was between “highly” and “extremely” important (Table 8). The other two tasks were relatively less important (between “moderately” and “very” important).

Table 8: Average Importance of App Tasks, by Parental Status (Residents Only)

Item	Children	No children
Buying, displaying licenses, tags	3.61	3.51
Communicating SFR	4.25	4.08
Trip planning	3.36	3.20

Women residing in Alaska rated all tasks as more important than men (Table 9). The most important task was still communicating SFR.

Table 9: Average Importance of App Tasks, by Gender (Residents Only)

Item	Men	Women
Buying, displaying licenses, tags	3.53	3.62
Communicating SFR	4.12	4.23
Trip planning	3.19	3.45

The importance of trip planning varied depending on fishing avidity, or frequency (Table 10). The more often respondents have fished in the last few years, the lower—on average—the importance of trip planning.

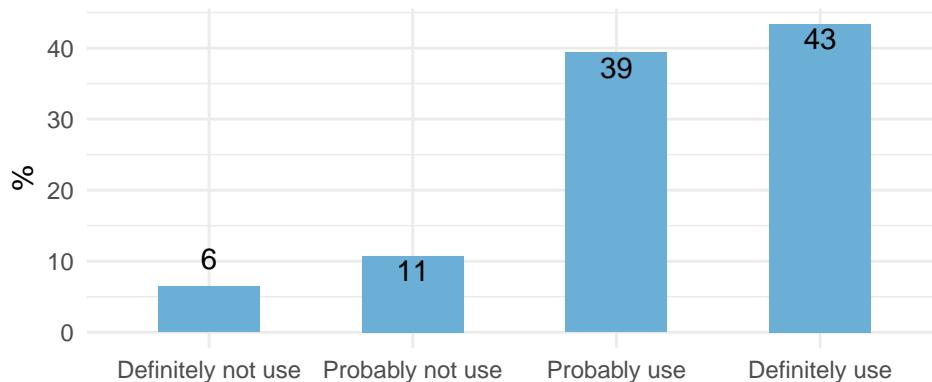
Table 10: Average Importance of App Tasks, by Times Fish per Year (Residents Only)

Item	0x	1-5x	6-10x	11-15x	16x+
Buying, displaying licenses, tags	3.66	3.56	3.59	3.64	3.47
Communicating SFR	3.88	4.06	4.19	4.27	4.26
Trip planning	3.55	3.36	3.33	3.36	3.03

- If the app primarily communicated sport fishing regulations how likely would you be to use it?

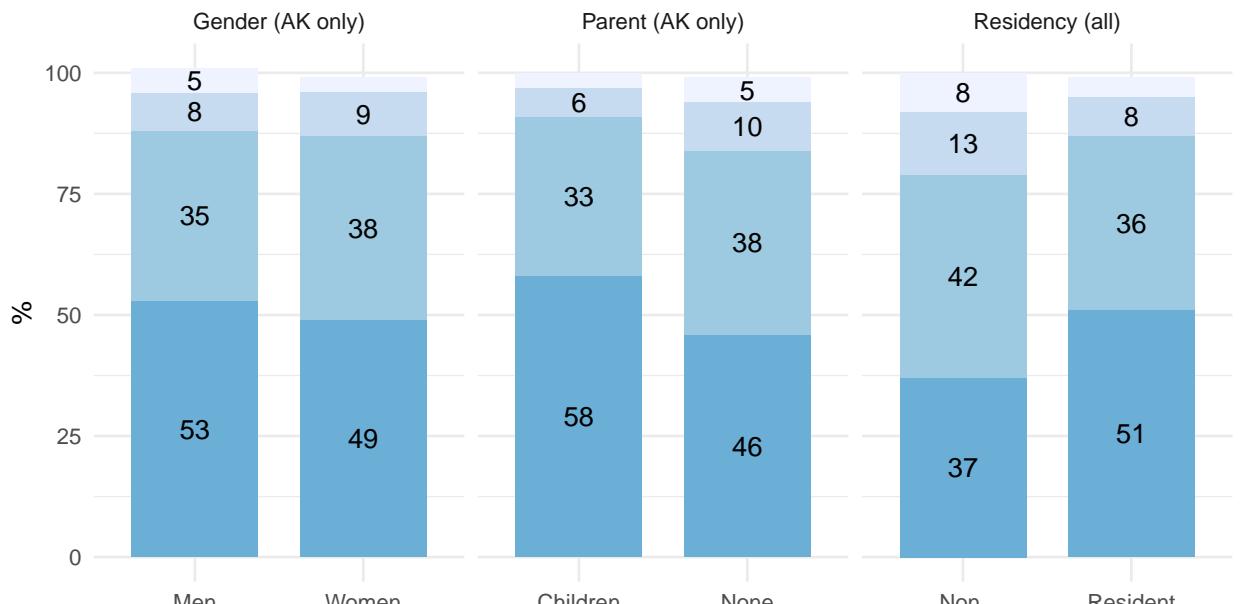
If the smartphone app primarily communicated sport fishing regulations, the vast majority of respondents would “probably” or “definitely” use it (Figure 22). This was especially true of certain demographic groups (Figure 23). Alaska residents with children, Alaska residents, and younger respondents were likeliest to “definitely” use the app. So, too, were avid anglers.

Figure 22: Likelihood of Using Smartphone App (All Respondents).

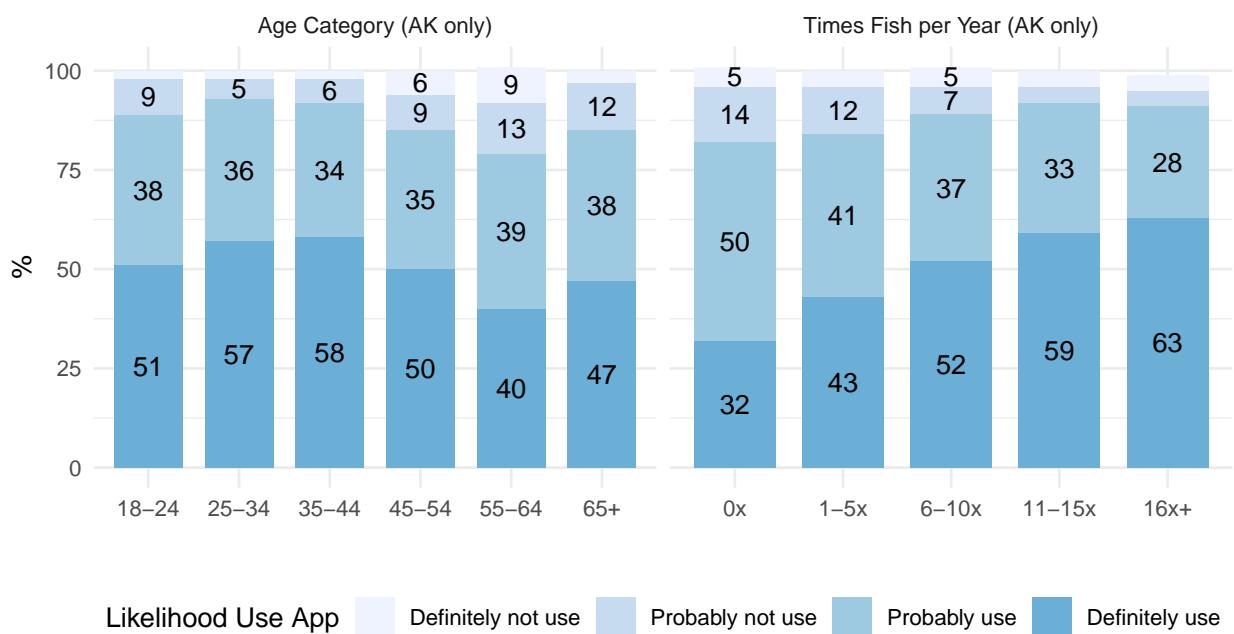


N = 3,923 responses

Figure 23: Likelihood of Using Smartphone App, by Group.



N = 1,740 / 1,748 / 3,923 responses



N = 1,766 / 1,756 responses

- The app could also contain many features. If you were to use the app which features would you definitely use? (Select as many as apply.)

Table 11 shows the proportion of respondents who selected they would *definitely* use that particular feature on the app. Widely desired features included showing SFR in one's current location, showing Emergency Orders in effect, and searching for SFR by species. Most

respondents also selected other features, such as storing a digital license and purchasing a license from ADF&G.

Table 11: Features of App Would Definitely Use (All Respondents)

Features	Would Use (%)
Show SFR in current location	88
Show Emergency Orders in effect in specific area	81
Search for SFR by species	72
Store digital, legally valid fishing license	72
Purchase license from ADFG	63
See tide chart	60
Identify fish species	58
Show which unit or fishery you are in	57
See fish counts	55
See weather forecast	54
Show SFR in different location	45
Record your harvest for own personal log	43
Contact ADFG office	30

The popularity of major features of the app were clear—namely, provide information about SFR. But which *other* features—aside from showing regulations and Emergency Orders—were especially appealing to the audiences ADF&G is increasingly trying to reach, such as women, parents, and younger anglers? These features might be worth including despite their extra cost or time for development.

As Figure 24 shows, many features were relatively more popular among Alaskans who have children (compared with Alaskans who do not). These include the ability to store a digital, legally valid copy of one’s license, to purchase a license from ADF&G, and to record one’s fishing harvest for a personal log.

Women residing in Alaska were also likelier to select many of these features (Figure 25). Being able to see a tide chart and identify fish species were relatively more popular among Alaskan women compared to Alaskan men.

For Alaska residents, being able to see tide charts and fish counts were more popular features (Figure 26). Another popular feature with residents—compared with non-residents—was the ability to record one’s fishing harvest for a personal log.

Figure 24: App Features Would Definitely Use, by Parental Status (Residents Only).

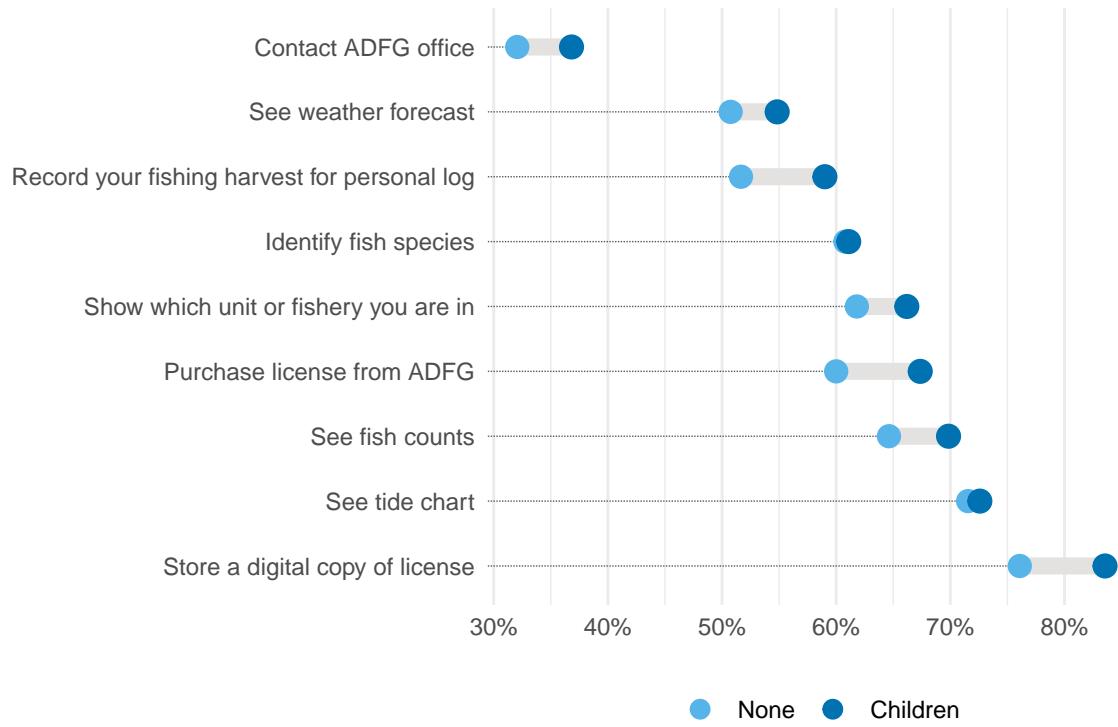


Figure 25: App Features Would Definitely Use, by Gender (Residents Only).

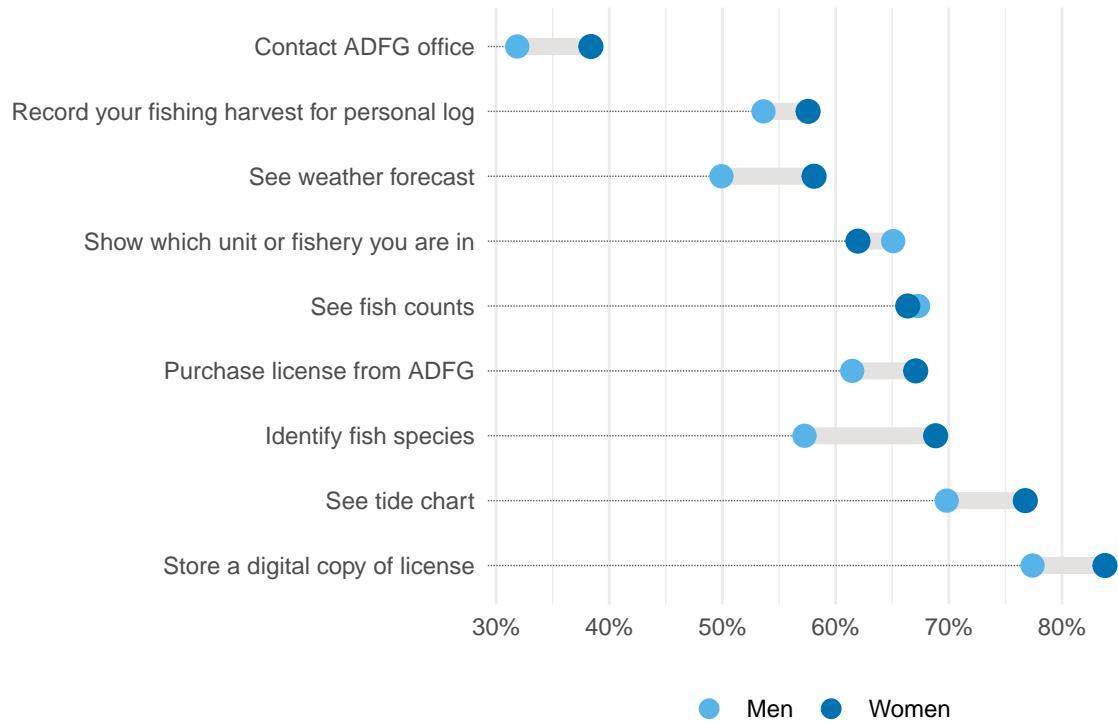


Figure 26: App Features Would Definitely Use, by Residence (All Respondents).

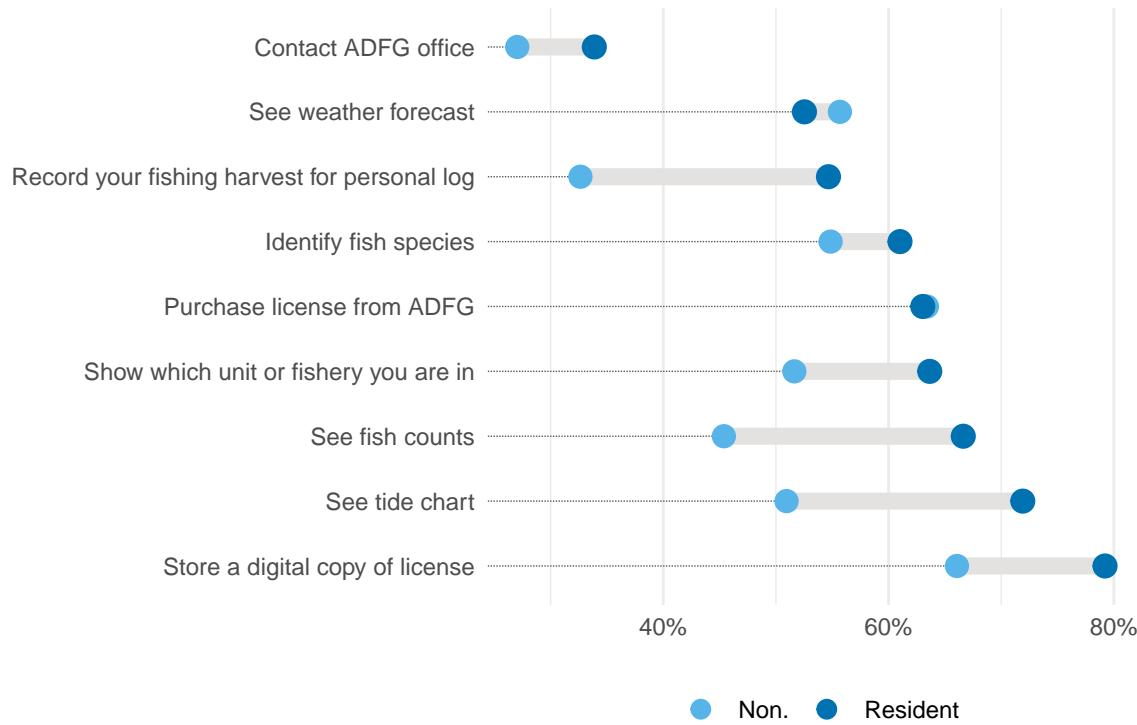
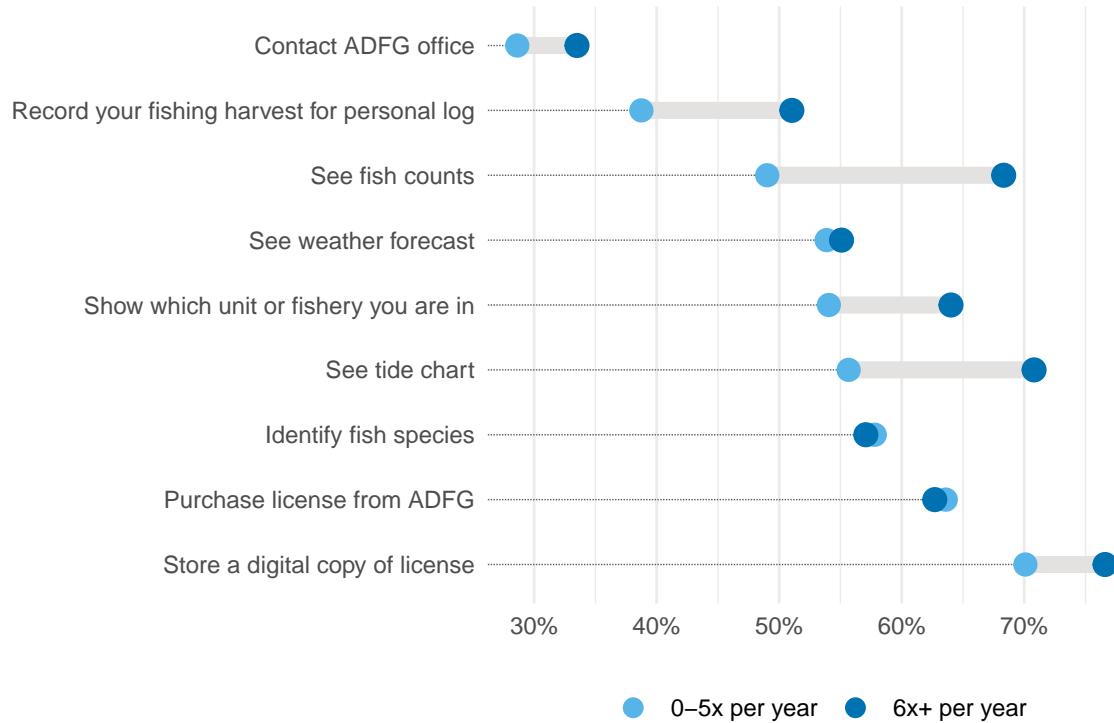


Figure 27 shows popular features broken out by the avidity of respondents, that is, the number of times they have been fishing per year, averaged over the past three years. A higher proportion of anglers who go out six or more times a year would “definitely” use tide charts and fish counts, compared with those who go out fewer times a year.

Figure 27: App Features Would Definitely Use, by Avidity Sport Fishing Each Year (Residents Only).

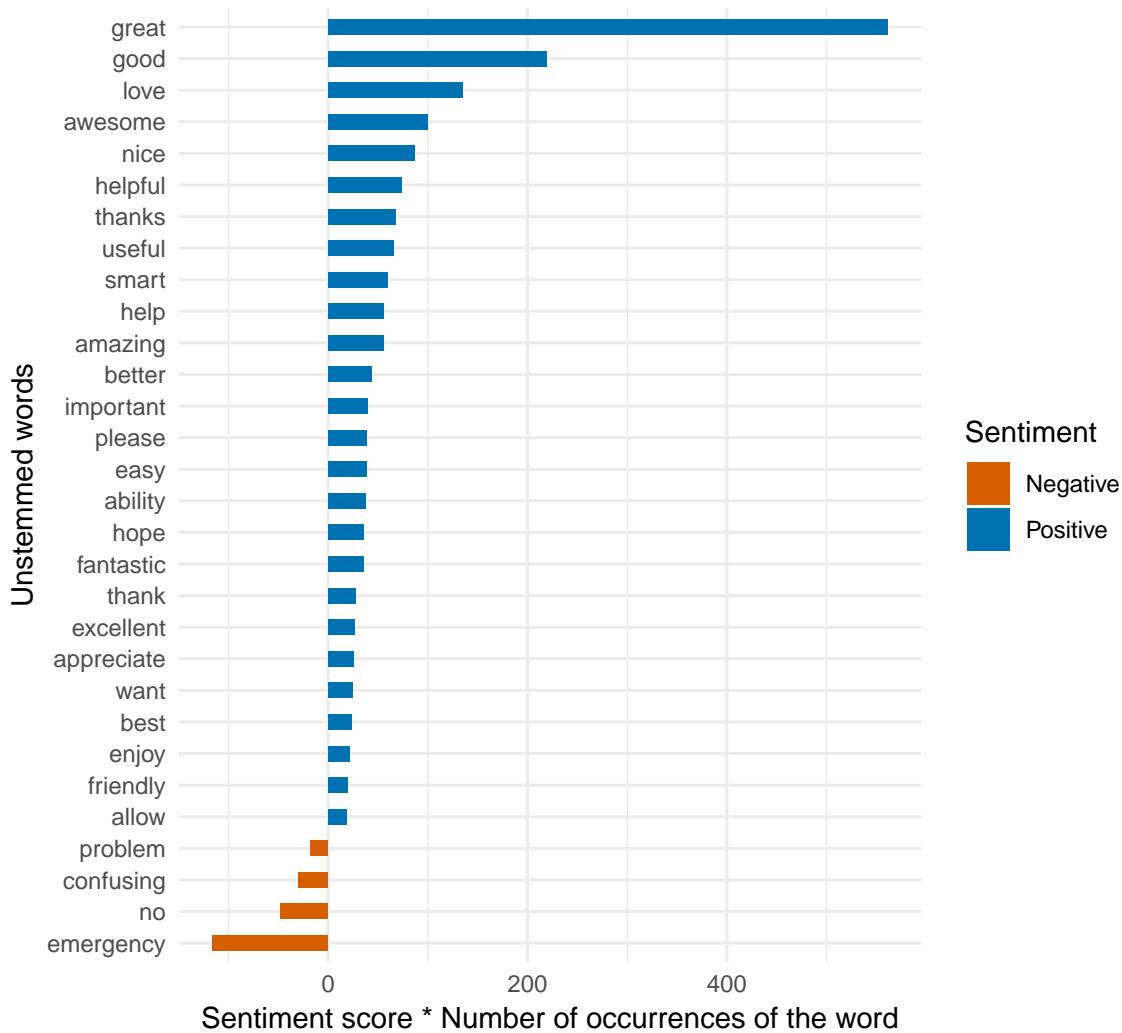


Comments on a Proposed Smartphone App

There were 842 comments about the proposed smartphone app. Comments were overwhelmingly positive.

Figure 28 shows what is called a sentiment analysis. In this analysis, each word in the responses was paired with the AFINN sentiment lexicon, a list of words that provides a score ranging from -3 to +3. Extremely negative words have a lower score, neutral words have a score of 0, and extremely positive words have a higher score. The lexicon is context-agnostic, meaning it does not “know” that a word might be relatively neutral. For example, “emergency” (referring to “Emergency Order” in the comments) shows up as negative. The X-axis of the figure is the sentiment score for that word times the number of times that word appears. As an example, the top word (“great”) has a sentiment score of +3. It appears 187 times, so its length on the X-axis is 561.

Figure 28: Sentiment Analysis of Comments on Smartphone App (All Respondents).



Representative comments on the smartphone app are included below:

- “A smartphone app would be really beneficial for hunting AND fishing. I sometimes find it difficult interpreting the paper copy when out fishing specific waters. If there was an ability to tell me base on phone location and simple search, it would be amazing... especially if there were emergency orders.”
- “This app is long overdue! It would save us a lot of time, and it would eliminate all confusion about emergency orders. The State should use every tool available to effectively manage our fishing and hunting resources in the most sustainable way possible!”
- “THIS APP WITH EVERYTHING ABOVE WOULD BE AMAZING!”
- “This would be amazing and extremely useful.”
- “Would LOVE to see the app with whatever Emergency Orders are in effect for your current location, as well as the ability to look them up for other locations.”
- “you must make the app. this convenience will make more people responsible without

excuse. keep it simple and plain easy to use. less words is better. make it so that you don't have to be tech savvy to use. also make it a free app or one that comes free with license purchase."

Suggestions about the app included the following:

- Ability to report violations.
- Fish counts: "a feature that notifies you when the fish count for a specific species is expected or reaches a certain threshold would be cool."
- Set markers: "Record and log GPS location for crab and shrimp pots. Help prevent theft."
- Show the date the information was last updated (especially for legal or enforcement purposes).
- Include a statement regarding how an app user is not exempt from knowing current rules/ regulations.
- Enable users to approach fishing regulations in multiple ways. "For example, sometimes one is only interested in a single specific geographical area. Other times by species, etc., in a region. Other times, just emergency regs."
- Clarify geographic information. "Users from out of the region often don't have a clue when the regs say 'One cannot fish between bridges A & B'. A reference or link to a detailed map would take much mystery out of the regs."
- The ability to purchase a license would help to eliminate the trouble of finding license sellers in remote areas of the state.
- Use large print and large tap buttons because users might have rain gear or gloves on, or have cold fingers.

Phrasing, Displaying, and Ordering Information

Alongside methods of accessing SFR, survey respondents provided feedback about how regulations should look in terms of a) how they are written, b) how they are displayed, and c) how they are ordered in a booklet:

- **We want to write regulations as clearly as possible. For you which one is easier to understand? (A or B)**
- **Here are two ways of presenting information about when an area is open to king salmon fishing. For you, which is easier to understand?**

Respondents selected from four A/B choices. In the analyses below, the "A" version came directly from the current regulations booklet. On the survey, however, the order of A and B was randomized. That is, some respondents saw the original wording as "Option A" while others saw the same wording as "Option B." Figures 29, 30, 31, and 32 display the actual options, or versions, respondents saw.

Figure 29: Choice 1: Positive vs. Negative Language.

A	B
In waters open to king salmon fishing, <i>no fishing is allowed</i> between 11:00 p.m. and 6:00 a.m. May 15–July 13.	In waters open to king salmon fishing, <i>fishing is only allowed</i> between 6:00 a.m. and 11:00 p.m., May 15–July 13.

Figure 30: Choice 2: Active vs. Passive Voice.

A	B
A coho salmon removed from the water <i>must be kept</i> .	If you remove a coho salmon from the water, <i>you must keep it</i> .

Figure 31: Choice 3: Description vs. Injunction.

A	B
<i>No person may remove</i> from the water a coho salmon he/she intends to release.	<i>Do not remove</i> a coho salmon from the water you intend to release.

Figure 32: Choice 4: Bullet Point vs. Table Display.

A	B	
Season: June 19–21; June 23; June 26–28; June 30; July 2–4; July 6; July 9–11; July 13; July 16–18; and July 20.	Jan. 1–June 18	Open to all species, including king salmon.
	June 19–22	Closed to all fishing.
	June 23–25	Open to all species, including king salmon.
	June 26–29	Closed to all fishing.
	June 30–July 2	Open to all species, including king salmon.
	July 3–13	Closed to all fishing.
	July 14–Dec. 31	Open to all species, except king salmon.

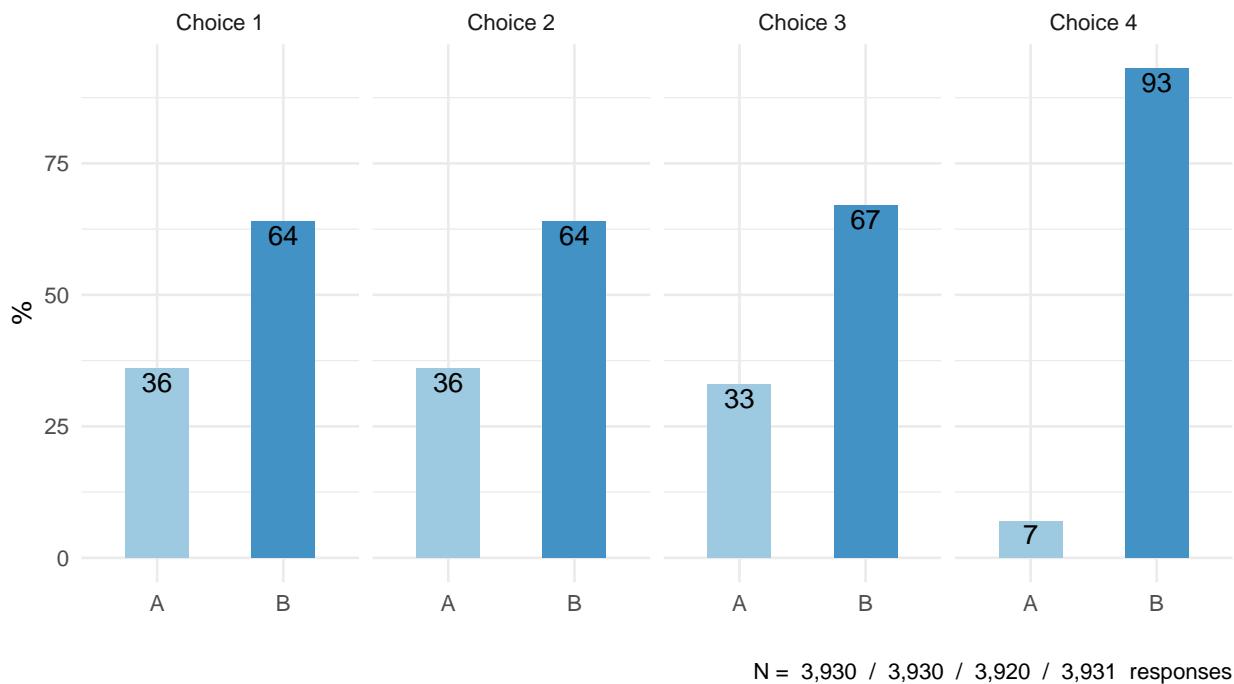
Figure 33 shows the results of those four choices—three about the phrasing of regulations and one about their display. The results were clear: the majority of respondents preferred language written as follows:

- *Positive* phrasing that states what and when something is permissible to do. This compares with a statement of what and when something is impermissible to do.
- *Active* phrasing that addresses people directly (in second-person “you” form). This compares with passive phrasing toward a generic person.
- *Injunctive* phrasing that tells people what they must or must not do (again in second-person “you” form). This compares with third-person “descriptive” phrasing that describes what a generic “person” may or may not do.

The fourth choice presented the display of information. Here, the results were even starker:

- Respondents overwhelmingly preferred a tabular display of information. This compares with sentences or a list.
- Subsequent demographic analysis (not shown to save space) revealed results were almost identical across all groups, regardless of residence, age category, parental status, avidity of fishing, and gender.

Figure 33: Preferences for Phrasing and Displaying Regulations (All Respondents).



Currently, the printed booklet of regulations has a particular order. At the front of the booklet are general regulations for that region of the state (or for the state overall). Later in the booklet there are specific regulations for many—but not all—geographic areas. Respondents were asked the following:

- People can look up regulations in different ways. Some look up where they are going first. Others look up what they want to catch first. Others do something else. Put these in order of how you like to look up Alaska sport fishing regulations by dragging each option to the box on the right:
 - Geographic area (location to fish)
 - Species (what want to fish)
 - Harvest (what allowed to keep or not keep)
 - Season (time of year)
 - Method (what equipment using to fish)

The process of looking up applicable SFR varied among respondents. Most commonly, respondents look at the geographic area where they will be fishing, followed by either the time of year or the species of fish. On average, the last step in the process is to examine method, or what equipment is allowed when fishing. These results indicate that regulations, when they are ordered, ought to be separated by geographic area, with subsetted regulations for season and species.

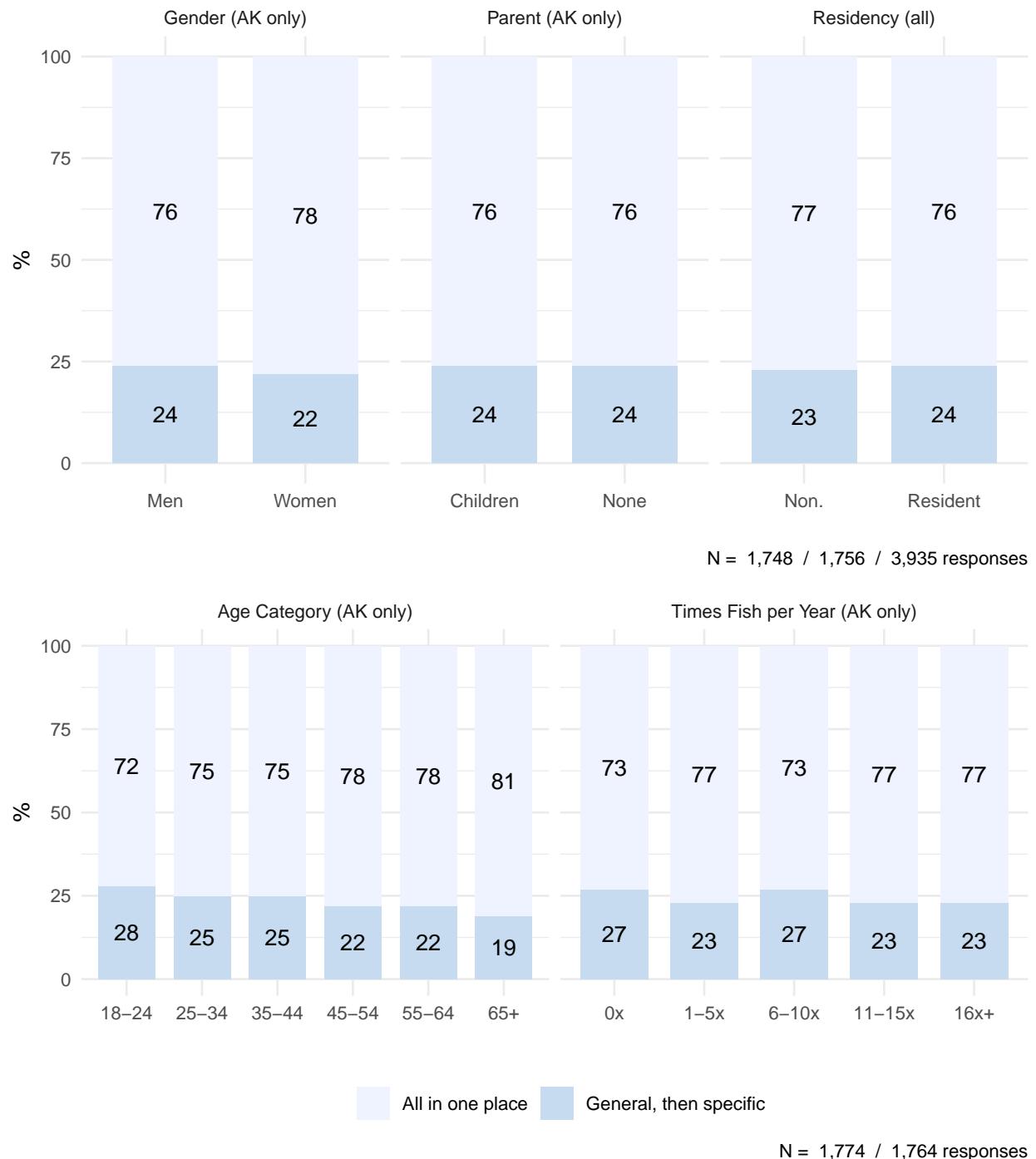
Table 12: Order of Looking up Regulations Information (All Respondents)

Feature	Relative priority
Geographic area (location to fish)	2.0
Season (time of year)	2.4
Species (what want to fish)	2.4
Harvest (what allowed to keep or not keep)	3.7
Method (what equipment using to fish)	4.3

- Some people like to flip right to a geographic location and want to see everything they need all in one place. Others don't mind flipping back and forth in a booklet. Which do you prefer?

The majority of respondents—76 percent—preferred seeing all the regulations they need in one place, compared with looking at general regulations and then searching for specific ones. This pattern holds across major demographic groups (Figure 34).

Figure 34: Ordering of Regulations, by Group.



Facebook

One insight that emerged from four focus groups held with Alaskan anglers regarded the content ADF&G posts on Facebook. Most of those participants thought ADF&G's Facebook

pages needed to focus on providing information about regulations and—to a lesser extent—information that would enable them to fish more successfully. To validate these comments, survey respondents answered questions about content.

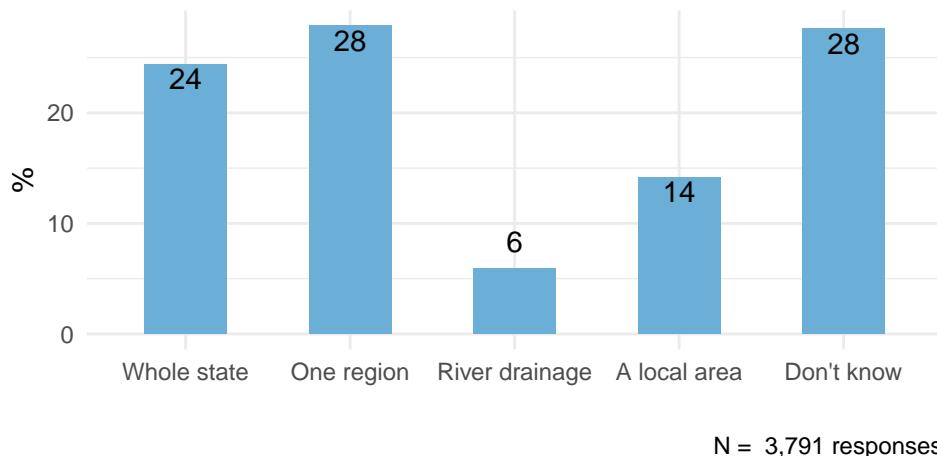
- **If you visited an ADF&G Facebook page are you most interested in seeing information about...**

What should the geographic scope of content be on ADF&G's Facebook pages? About one-half (48 percent) of respondents preferred a scope *smaller* than the state as a whole—i.e., one region, a river drainage, or a local area. In contrast, only 24 percent preferred to see content on the whole state in one Facebook page.

The large proportion of “don’t know” responses may indicate non-users or may indicate that those respondents had never considered the question before.

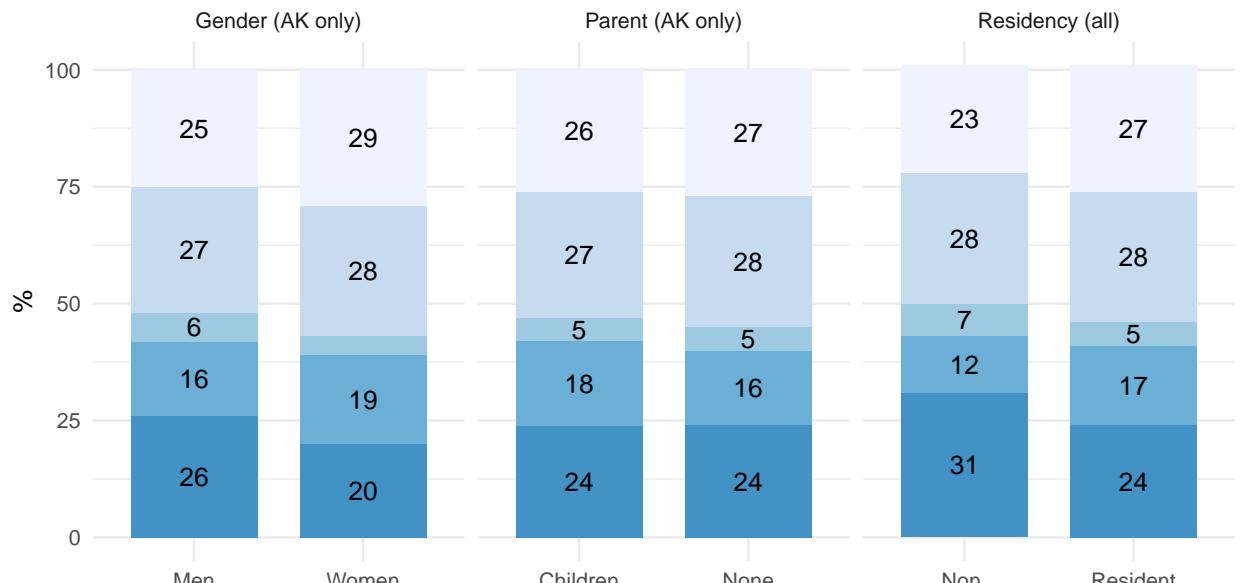
Indeed, there were 95 comments about content on Facebook. Nearly all of these (79) stated that the respondent did not use Facebook.

Figure 35: Geographic Scope of Facebook Content (All Respondents).

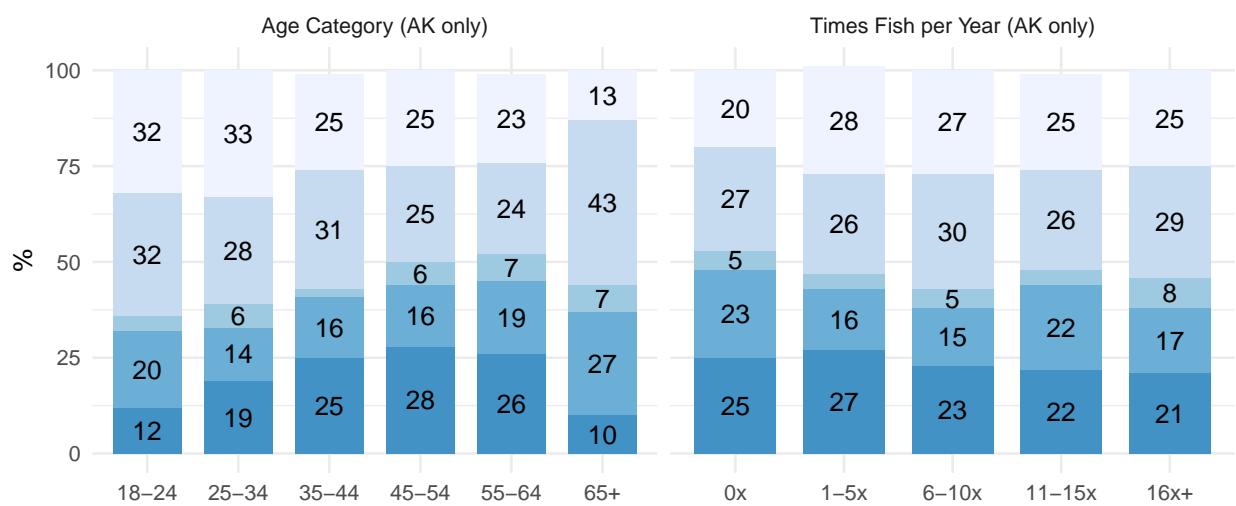


Preferences varied somewhat across groups (Figure 36). However, the overall trend stood that about one-half of respondents preferred content targeted to a sub-state level.

Figure 36: Geographic Scope of Facebook Content, by Group.



N = 1,704 / 1,710 / 3,791 responses



Geographic scope Whole state One region River drainage A local area Don't know

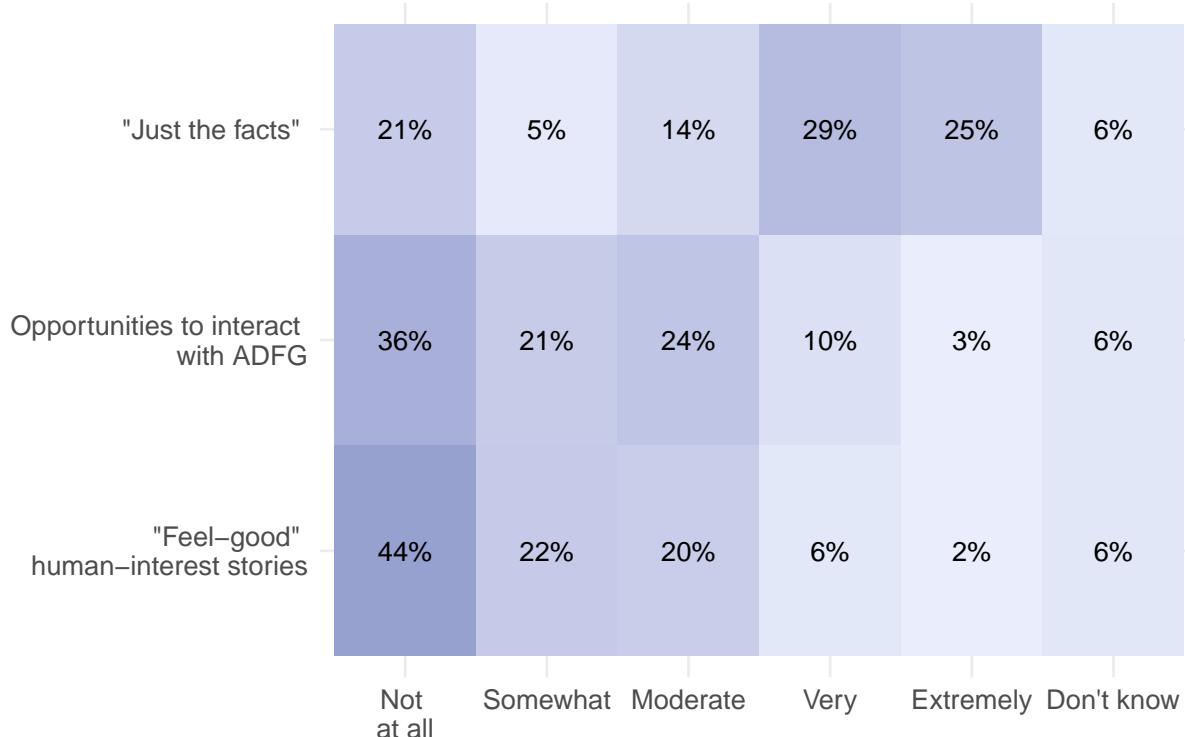
N = 1,728 / 1,718 responses

- Thinking of Facebook, for you, how important is each of the following?

How important are different content categories? In Figure 37, rows (content categories) are arranged by the highest mean. The mean for each variable was calculated by assigning a numeric value to each response category, excluding “don’t know” or missing responses, and then finding the average.

The most important category of content was “just the facts (emergency orders, fishing reports, etc.).” Lowest in importance was “‘Feel-good’ human-interest stories (big-fish pictures, announcements about a record-breaking fish, etc.).”

Figure 37: Importance of Facebook Content Categories (All Respondents).



Across particular demographic groups, these trends were even more stark. Alaska residents with children, on average, indicated that merely knowing “the facts” about where to fish and what to do were “very” important (Table 13).

Table 13: Average Importance of Facebook Content, by Parental Status (Residents Only)

Item	Children	No children
Feel-good stories	2.01	1.88
Interact with ADFG	2.36	2.22
Just the facts	3.77	3.53

A similar trend emerged for women residing in Alaska (Table 14). They indicated knowing “just the facts” as most important, relative to other types.

Table 14: Average Importance of Facebook Content, by Gender (Residents Only)

Item	Men	Women
Feel-good stories	1.84	2.11
Interact with ADFG	2.21	2.42
Just the facts	3.49	3.92

Among avid anglers, knowing “just the facts” was somewhat more important to avid anglers than to non-avid ones (Table 15).

Table 15: Average Importance of Facebook Contents, by Times Fish per Year (Residents Only)

Item	0x	1-5x	6-10x	11-15x	16x+
Feel-good stories	1.85	1.93	1.98	1.95	1.89
Interact with ADFG	2.27	2.25	2.30	2.25	2.32
Just the facts	3.48	3.58	3.73	3.53	3.66

- We are interested in how we can use Facebook to communicate better with you. Even if you don’t use Facebook we are interested in what you think. What types of content are important to you to see on Facebook? (Select as many as apply.)

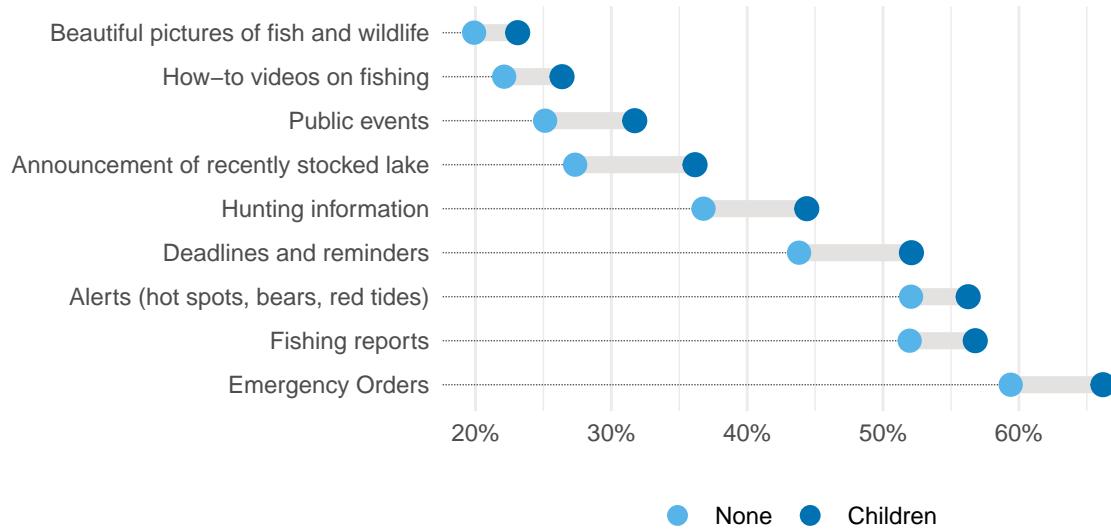
Many types of content can appear on Facebook (and, more generally, on social media). Table 16 shows the percentage of respondents who selected each particular types of content as “important” to them. At the top were 1) emergency orders, 2) fishing reports, and 3) alerts about things like fishing “hot spots” and red tides.

Table 16: Types of Content Important to See on Facebook (All Respondents)

Types of Content	Important to see (%)
Emergency Orders	54
Fishing reports	49
Alerts (fishing ‘hot spots’, red tides, etc.)	48
Deadlines and reminders	37
Hunting information	29
Announcement that a lake was recently stocked	24
None	23
How-to videos on fishing	22
Public events	22
Beautiful pictures of fish and wildlife	21
Other	5

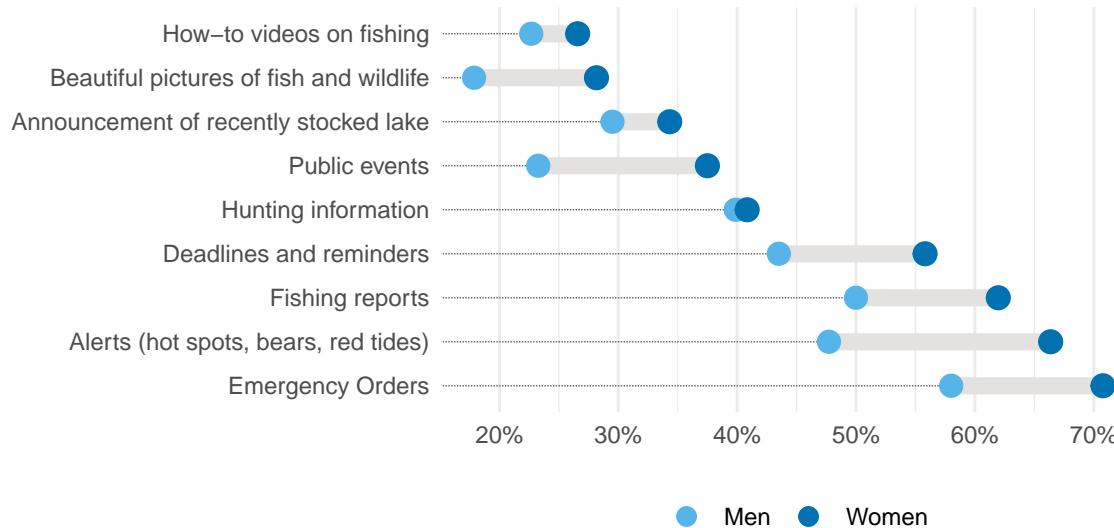
In general, Alaska residents with children preferred all types of Facebook content (Figure 38). This was particularly true for Emergency Orders.

Figure 38: Important Facebook Content to See, by Parental Status (Residents Only).



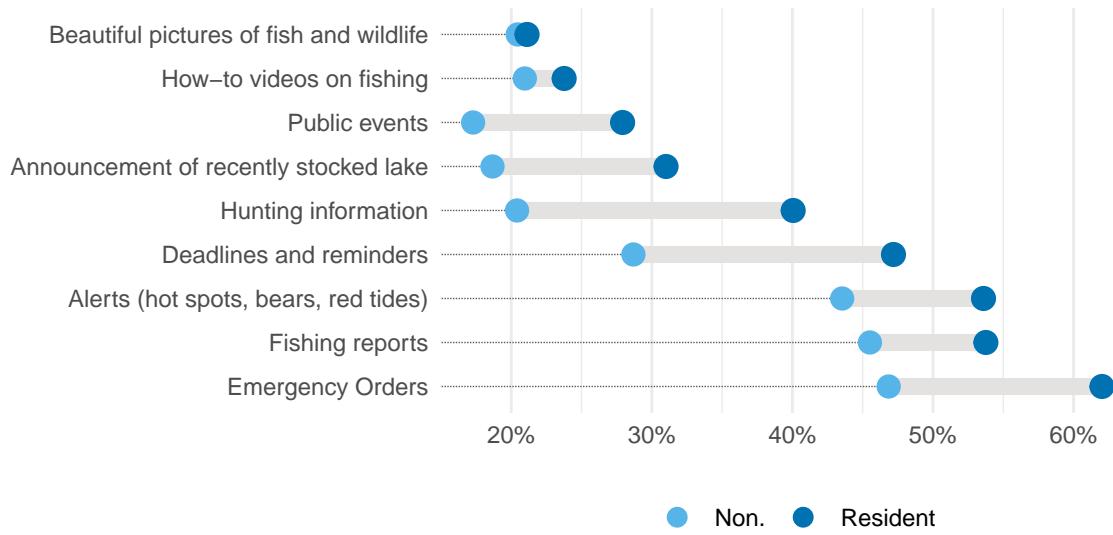
Women, on average, preferred all types of Facebook content to men (Figure 39). Some of the largest differences emerged in wanting to see alerts about things like “hot spots,” bears, or red tides; deadlines and reminders; and public events.

Figure 39: Important Facebook Content to See, by Gender (Residents Only).



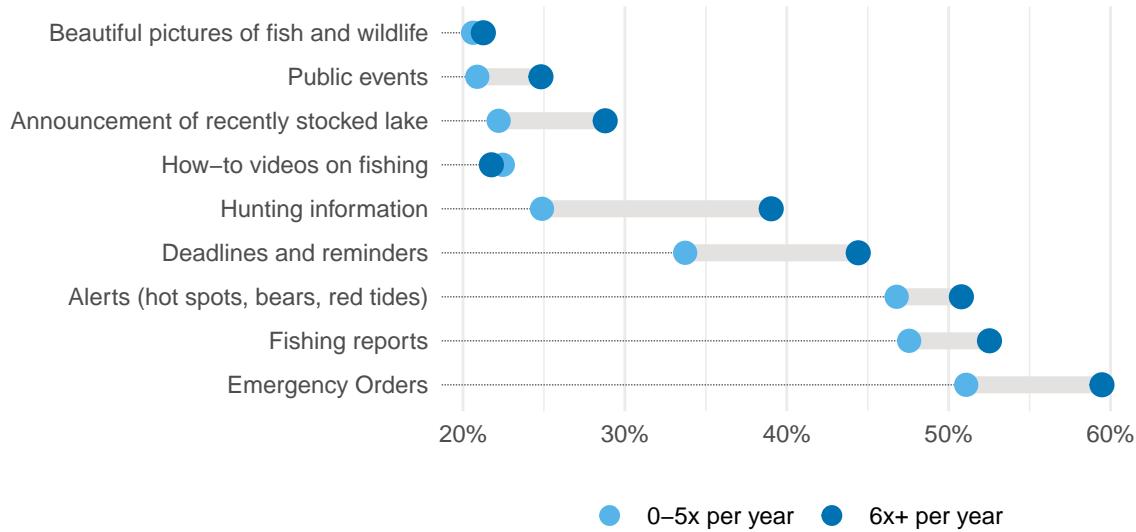
Residents of Alaska were relatively more interested in seeing hunting information compared with non-residents (Figure 40). However, the total proportion was still a minority (40 percent).

Figure 40: Important Facebook Content to See, by Residency (All Respondents).



Similar to residents, avid anglers were likelier to prefer seeing hunting information (Figure 41). However, the total proportion was still a minority (39 percent).

Figure 41: Important Facebook Content to See, by Avidity Sport Fishing Each Year (Residents Only).



How ADFG Can Make Sport Fishing Easier

There were 1,458 responses to the following question:

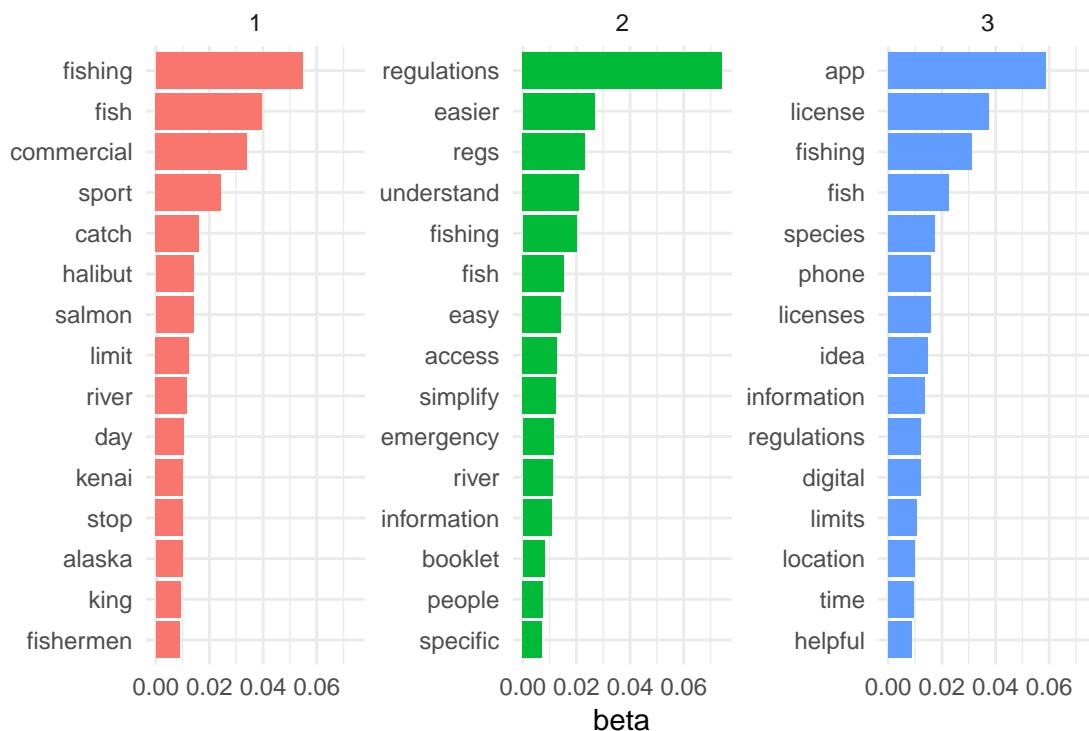
- Thinking of sport fishing regulations what is something Alaska Department of Fish & Game Sport Fish Division could do to help make fishing easier for you?

Fully 168 of these responses mentioned the smartphone app specifically. Again as above, virtually all of these comments supported creating one.

One way to analyze these open-ended responses is to classify them as belonging to one or more *topics*. Each individual's response may be thought of as a "document" that may contain words from one topic or even several topics.

Figure 42 shows the distinguishing words in each topic. "Beta" in the X-axis refers to the per-topic-per-word probabilities—that is, the probability that that particular word belongs to the assigned topic.

Figure 42: Major Topics Provided in How ADFG Can Make Fishing Easier.



Topic 1 involved general comments about fishing regulations. Unedited comments included the following:

- "Better communication of Emergency Orders."
- "Better explanation on closures."

- “Better identified areas.”
- “Highlight changes from previous year(s).”
- “Offer a 3 day, and 5 day licensee [sic] Instead of just a 3 day forcing everyone to buy expensive 1 day licenses.”
- “Public notifications of emergency orders through radio, charter outfits!”

Topic 2 involved specific comments about simplifying sport fishing regulations. Unedited comments included the following:

- “Keep making the booklet available, keep pictures & key descriptions of the species, maybe re-organize by regions.”
- “Designating markers on the rivers at the location of major fish ways.”
- “Less regulations over all. Simpler, please.”
- “A consideration for rewording as exemplified earlier in the survey.”

Topic 3 involved specific comments on methods of communication, especially the smartphone app. Unedited comments included the following:

- “I think an app or one stop shop for regulations would be nice particularly focused on geographic areas. Even an online page where you can put in an area and see all the regs as they are now would be an improvement I think. I know regulations right now are organized by geographic area but I do find it cumbersome to look at general regs, look at regional regs and then look for emergency orders in basically 3 different places. Then usually have to look back to compare general with regional for different species.”
- “Create the app! How to fish species videos on YouTube and FB! Get more staff at the Sport Fish Info center, they are always slammed!”
- “I think an app is very helpful. I also think location-specific pamphlets (if they aren’t already out there) that are easily accessible are also helpful. Perhaps a printable version online?”
- “Eliminate requirement to print licenses bought online.”
- “Text emergency orders and mid-season changes.”

What ADFG is Doing Right and Should Continue Doing

There were 1,307 responses to the following question:

- **Thinking of sport fishing regulations what is something Alaska Department of Fish & Game Sport Fish Division is doing right and should continue doing?**

Comments were wide-ranging in their topics and included the following:

- Ability to purchase licenses online.
- Adjusting limits to prevent over-harvest.
- Asking for ideas, such as through the online survey itself.
- Checking for safety equipment in anglers’ boats.
- Enforcing permits and illegal catch—checking licenses and catches (to prevent poaching).

- Closing fisheries when needed.
- Emailing emergency orders.
- Emergency orders to ensure escapement is achieved.
- Fish count information is helpful and easy to use.
- Knowledgeable, helpful staff.
- Offering loaner life jackets at lakes.
- The survey is a big step in the right direction.
- The website is fairly good and has current information. Some important pieces of information are difficult to find, however, and should be made more obvious on the home page.

Appendix 1: Open-ended Comments on Potential Sport Fish Division Smartphone App

The following table reports open-ended responses. Twelve have been removed because they contained identifying information. The remainder have not been edited or changed in any way.

Table 17: Comments on Potential Smartphone App

id	Responses
1	(1) Would be most useful if it enabled user to approach fishing regulations in multiple ways. For example, sometimes one is only interested in a single specific geographical area. Other times by species, etc., in a region. Other times, just emergency regs. (2) Clarification of geographical information would be helpful. Users from out of the region often don't have a clue when the regs say 'One cannot fish between bridges A & B'. A reference or link to a detailed map would take much mystery out of the regs. (3) Many of us rely heavily on our fishing guides for direction and information about regs.
2	A break through in regulations would be the ability to enter a water and readily have the regs, rather than try to search the booklet for location, season, species, method, for all the ifs ands or buts. Also, really important to make EO's apparent.
3	A digital, legally valid copy of the fishing license would be a great addition to the app. Also the ability to purchase the license through the app would be huge as sometimes it can be a hassle to find a tackle shop that sells licenses in more remote areas of Alaska.
4	a feature that notifies you when the fish count for a specific species is expected or reaches a certain threshold would be cool.
5	A location specific message board for people to use might be nice, like a Facebook group
6	A phone app which would allow you to identify where you are fishing and then provide species seasons and limits would be very useful.
7	A phone app would be very useful!
8	A readily available app would be wonderful, especially if it updated when service is available, very important to know regulations and be updated when regulations change very quickly.
9	A smartphone app that provided all of the options listed in #22 would be GREAT!!! and VERY useful.
10	A smartphone app would be really beneficial for hunting AND fishing. I sometimes find it difficult interpreting the paper copy when out fishing specific waters. If there was an ability to tell me base on phone location and simple search, it would be amazing... especially if there were emergency orders

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
11	A well-made app would be amazing! I typically get confused on what gear is legal and what isn't at the spot I want to fish.
12	Ability to file your fish could or hunting count
13	Ability to purchase license and harvest stamps would be amazing. Second would like to see which unit I am in, and all regulations effective in current location (including Emergency Orders). Next check same for different location, and then by species. Species identification information would be nice.
14	Ability to report violations witnessed
15	Ability to search species and area with an end result of all relevant regulations, emergency orders, etc.
16	About time there was consideration for an app
17	Above list is a great start.
18	Absolutely want this app!
19	Actually, most concerned about the collapse of the Kings and want to know what is being done.
20	Add a violation reporting feature. A means to report an observed violation will help stop abuses. A smartphone app would be great!
21	Add historical runs of fish in each location, if any data available.
22	Alaska does a great job taking care of its resources. We look forward to our trip. Thanks for all your hard work keep it up
23	Alaska does a great job, it's the greatest place in the world. I get most of my information from locals and the web.
24	Alaska is an amazing place to experience the outdoors but fishing regulations can be a bit overwhelming.
25	All are great and necessary features
26	All for it, just keep the ADF&G local offices open as well
27	all of the above for questions 22 would be so awesome and so useful!
28	All the features in # 23 are important. Area regulations and emergency orders are the top 2 for me. The app should also have options for email and text. Everyone reads their text messages.
29	Allow people to geotag where the kill was for reporting purposes.
30	Allow printing of dip net harvesting cards from ADF&G website
31	Am not really into computers so would not use app
32	An app is an excellent idea. Well done.
33	An app is long over due but won't solve the problem with the complex and convoluted regulations this state has.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
34	an app is very exciting! For me, the most important thing would be seeing the regulations and the emergency orders, and the secondary would be current location/unit/fishery selection (everything else would be icing!)
35	An app with all that info would be great!
36	An app with location services would be simply an outstanding tool for any fisherman.
37	An app would be awesome
38	An app would be awesome!!
39	An app would be FANTSTIC!
40	An app would be perfect, especially for keeping record of fish caught, along with a digital copy of my license. I believe, for non-native Alaskans and tourists, this would be a great idea to list regulations since Alaska has a very meticulous set of instructions for different species and regions. Be sure to keep it a simple design and a relatively small app. Give options to download the additional data like tide charts and identifying different species. Add a section under 'My Harvest' to take a photo and record length and weight of your catch and maybe the location of where it was caught.
41	An app would be really helpful. I often get out my paper booklet if I can find it and then check the website for emergency orders, but this sounds like it would be everything in one place. It would be great for subsistence and hunting reports too!
42	An app would be sooooooo much more convenient, accurate and easy to use. Holler if you need help with it!
43	An app would be terrific!
44	An official count down to when a specific river opens and closes. For instance if a river open at 1200 am, it would be nice to see an official time. Some ones watch is always early
45	Anglers who intend to obey F&G laws make effort to do so by informing/educating themselves by any/all available means. A smart phone app would enhance this education of rules/orders but I think it would be a waste of dept's time/resources/money to enable those relying on convenience. I guess there's pros/cons and I'm more of an old opinionated codger set in my simple ways.
46	Any app would be very nice, especially if it only takes a few clicks to review all pertinent regulations for the area you are in and any emergency orders. This would be very helpful, although weekly I check the area report where I am going to fish before heading out on the water.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
47	App is a great idea to increase many Alaskans access to proof of licensure and current EO's in their area
48	App not applicable for old timers who do not use smart phones.
49	App should also contain other links such as other paid endorsement required to fish on military bases such as JBER in Anchorage.
50	App should include option to tag GPS coordinates in order to mark favorite fishing spots including option to name the location.
51	App would be a very useful also make the license purchasing mobile.
52	App would be awesome
53	app would be great to have a app
54	App would be nice but a lot of the places i've fish i don't get service to check the app. I won't know if there is an EO while fishing
55	Apple friendly and easy to read.
56	Appreciate you taking the time to ask. The benefits of an app would be great, but it would need to be simple and useful in order to add the app to my cell phone.
57	Are group is DIY ADF&G makes it hard they could do better if they remember to KISS Keep It Simple Stupid
58	As a non-resident the four fish A YEAR is ridiculous. I fly from the East Coast and can only stay two days because I can only keep four halibut ! you need to go back to the two fish day limit the first time I was there you had that and I stayed four days . that's a lot more tourism money for the state of Alaska .
59	As a person who does not constantly have a cell phone on me, I do not feel adequately capable to respond. My phone is for my needs, but I could do without it also.
60	As long as cellular service is available then it is a very handy tool
61	Awesome Idea, having the ability to show a license on a phone would help a lot. everything checked would be extremely helpful in staying in compliance with the law as well as taking out grey areas of current location. should have the same app for hunting as well :)
62	Awesome idea. I took the survey to recommend this. Saves on paper and could be very effective at communicating emergency orders using notifications
63	Be able to measure the size of the fish.
64	Be able to select the type of fish you are going for and provide all regulations. Also point out where the fish are biting for the day.
65	Be carful who you get to program it. I have a lot of sensitive information on my phone and would be cautious about putting a fishing app on my phone. A link to your website might be safer

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
66	Be nice to have my license and tag saved and usable via smartphone instead of paper copy only. Maybe the app could be used for the sport fishing log book?
67	Be sure
	Windows phone
68	Being able to purchase a fishing license on an app would be extremely useful especially for those who go last minute fishing or when most stores don't sell a license until a specific time.
69	being able to purchase and display a legally valid copy of the license is extremely important - avoid a criminal conviction for accidentally leaving my license in my other coat. It would also be helpful to be able to log the harvest on the app. It is not reasonable to expect, for instance, dipnetters to hand record each fish as it is harvested on the small harvest card that does not accommodate a tally of the fish Honest people are subject to criminal sanctions for failing to perform an act that is virtually impossible to do. this keeps people who are employed from fishing, since many professions sanction or even terminate employees who are convicted of a crime. It would also be helpful to have an interactive application that would allow anglers to ask questions such as: what is the bag limit for sockeye on the Kenai; or what type of bait is allowed on Skilak, etc.
70	being able to save Digital copy on my phone would be great I have my phone but forget my wallet
71	Being able to show legal license on your phone would be amazing.
72	Being from Indiana, I feel Alaska does a great job with their fishery. Looking forward to coming back this fall. Keep up the great work!
73	Buying and displaying a valid license would be extremely beneficial. I dislike printing out a license just to physically sign. Thanks.
74	Camping or lodging areas near by
75	Cannot rely on phone connection in a lot of areas and people will be trying to use as an excuse for not understanding regulations
76	Cell phone reception spotty where I fish.
77	Cell reception is limited in remote areas so this APP may have limited use in AK
78	Cell Service is not always available in remote location that I fish
79	chat help and emergency rescue
80	Clear to understand ... A Chart which lays out weight And / Or Sizes /and NumbersFisherman can Keep
81	Clearly identify what area you are in and what species are open to fish

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
82	Close all commercial salmon fishing until all Alaska residents have had a chance to catch their limit, and never allow catch and release of king salmon, that is just disgusting. As a life long resident I would like to be able catch and eat a couple kings every year.
83	Commercial fisheries are destroying sports fisheries on the Kenai. You MUST shut down the nets for 2-4 consecutive days each week! Fish runs have dropped considerably since I started fishing four years ago, and they've dropped dramatically according to my in laws and friends. More fish need to get through the nets in order to keep a healthy stock. Please close down the commercial fisheries for 2-4 days each week!
84	Concentrate more on the regular sport fisher. They spend more money and get less fishing. You have crazy regulations because you cater to the commercial fisherman and try to squeeze the sport fishermen. Shameful.
85	Concept is good. Make it informative not bureaucratic. Organize it from a users perspective who may be new to the state.
86	Connected to GPS location would be great.
87	Consider options for dipnetting permit and reporting your dipnetting catch.
88	Contact emergency personnel in your area Link to first-aid Bear sighting reports
89	Could be a good thing.
90	Could be great. Especially for hunting. Having unit maps particulars of regs for that area such as brow tine count.maybe even put some good examples of moose calls on there
91	Could be very helpful keeping things in order and easily available.
92	covered pretty well in 22
93	Creating a smartphone app is a great idea. The major things needed to make it worth having for me are as follows. -Location and unit I'm in -All regulations pertaining to the unit I'm in by species -Look up regulations by species/location -Alerts about emergency orders
94	Currently, the changes in the booklet are in red. This is extremely helpful. Would suggest that any future changes be made in the same manner. Also, the app may be problematic in some areas as there is no service in areas (IE: Out of Resurrection Bay). We refer to our book often especially when going from Seward to Prince William Sound areas.
95	Definitely to be able to store licenses. It's annoying and impractical to keep paper dry especially since we don't get the last if sleeves anymore
96	didn't appreciate the \$100 fee to fish the klawock (POW) Understand this is not ADF& G issue Still upset that the ADF&Game allowed this fee

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
97	Digital copy of fishing license is a great idea.
98	Digital versions of the licenses need to be acceptable to Alaska State Troopers
99	DO IT!!! Please. Just start with something and perfect it over time. I think it is the best think that F&G could do for fishing regs!
100	Do it, keeping up with technology
101	Do it...if you make it, they will use it...
102	do not use apps much and a lot of the time there is no coverage
103	Do not use Apps or have a smartphone!
104	do not use smartphone
105	do not use smartphone apps
106	don't have a smart phone
107	Don't have a smartphone, don't use apps. My answers in this section are purely speculative.
108	Don't have a smartphone. I'm 80 years old and the older tools work fine for me. Plus I always hire a licensed guide.
109	Don't have one and don't want one
110	don't make it CONFUSING
111	Don't over complicate it. Simple is better. But a section on 'how to tie that knot' :-)
112	Don't own a cell phone so some questions do not apply
113	Don't own a smartphone & hopefully, never will.
114	Don't really use apps at this time but would be great to keep yourself up to date and out of trouble.
115	don't release it until you know it won't freeze
116	don't take smart phone fishing
117	don't use a smart phone
118	don't use apps on smart phone much, old school paper
119	dont have a smart phone so I would not use this app
120	Down with app BS. PRINT THE REGs. Keep them simple. This is NOT
	ROCKET SCIENCE.
	Do not try to create jobs micro managing. I used to have hunting, fishing and trapping regs memorized. And uploaded each years changes simply by seeing revisions highlighted. NOW SOMEONE WANTS A JOB "tweeting, texting, Facebook Ingrid..... this is not a hard job, do not continue making it such for your job security.....
121	Easy read, comprehensive MENU
122	Easy to use User Interface. Saved Logins.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
123	Emergency Order notifications would be very helpful
124	Emergency orders are a must that they are more available and distributed to retail tackle shops
125	Emergency orders for current location and/or a different location would be the best feature to have.
126	Emergency orders for the area or region I'm in should be available at the home page as a RED alert; therefore, providing a clear visual.
127	Emergency Orders would be my #1. License storage/purchase#2, regulations, contact office, fish counts would be cool, weather a bonus
128	Enjoy having the email reminder about renewing our summer fishing license. An app could do the same function - send you an alert. Would be pretty cool to have the license on your phone as an option to show when asked.
129	Ensure that the font size is scalable or large enough to be read by elderly anglers!
130	ESPECIALLY to store digital copy of fishing license for the app please
131	Every option listed above is a good start. I can't think of anything else that would prove relevant to ADF&G intention of keeping everyone informed. It would be helpful for sport fisher men and woman to know when the commercial fishing fleet is allowed to fish.
132	Everyone has a cell phone, it would be nice to be able to store a digital copy of your license and to be able to report your catch via the app.
133	excellent idea! paper licenses fishing never last the season
134	Excited to see this, hopefully this improves sport fishing as it should be fun, not a confusing, complicated mess, requiring a lawyer to interpret regulations to stay out of jail.
135	Excited to use it! Great idea!
136	First time in 48 years I've been engaged in this way by any fish and game regulators. As an application developer I appreciate the effort you are making in acquiring the use cases. As an avid angler I appreciate it even more. Alaska does it right.
137	fish and game should really look into the \$5 fishing and hunting licences i do buy that one when i qualify but there are many people taking advantage of it that do not qualify .
138	fish counts at various river mile markers
139	Fish with charter company so they kept us up to date on regulations Applied survey to if I was in Alaska more often or lived there
140	Fishing tip/what works for different species

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
141	Florida has a great fishing app and we use it frequently. We've used it several times to purchase licenses, verify regs and identify species. Perhaps collaborating with them will help...?
142	focus more on taking care of alaskan fishermen and less on stupid apps and tourists
143	Focus on the regulations. The booklet is hard to use. This is a great use-case for an application. Licenses would be nice and would get people using the app, but it's not 'essential'.
144	Found my fishing exerience in Alaska. Will probably not go again. To many confusing regulations, to small limits and to expensive.
145	GENERALLY DO NOT USE APPS
146	generally this sounds like a great app
147	Get rid of dip netting! This is ridiculous. Do not allow commercial fishing openers Friday noon-Sunday afternoon near sport fishing areas. Limit gill net and set net during king salmon runs, too much by-catch.
148	Get with the times I say- I would think 90% of folks have smart phones- so much easier to access- you will still have to use paper regs for old timers and I defintly always keep one in boat or truck and nice to have- but man it would be much easier if all on phone- etc-
149	Get with the times you are way behind!
150	Give returning anglers from out of state a break in the price of their fishing license! Using this app, apply for refund.
151	Good idea! It would be very helpful!!
152	Good luck with it. I probably would not download it or if I did it would be temporary. That aside I think the fish ID is a great focus. I'm always appointed with the Washington State ID section although its getting much better. I'd take a look at Arkansas booklet for a good example. Just find a couple of smart young interns and have them do it.
153	Good move, this would make a difference!
154	Good pole... the App is especially interesting.
155	Good survey. Hope to see many of the ideas implemented.
156	Good work! I think the APP is a brilliant idea.
157	Great idea - I would love it!
158	Great idea as long as it is updated regularly to reflex the most current info.
159	Great Idea as long as you can get service in the area
160	great idea for the smart phone app!
161	Great idea hope i helped!!

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
162	Great idea to use the app!
163	Great idea! Bring the digital age to sport fishing. Really like the concept of digital license and catch count. With those kind of tools, you will gain better, more accurate catch counts which will lead to better data analytics which in turn will create a better conservation environment, which in turn will create better fish harvests for all Alaskans! Well done!
164	Great idea! This would be very helpful!
165	Great idea! We visited and fished Alaska and were thoroughly confused as to what was legal and what wasn't!
166	Great Idea! I use the Florida fish and game app all the time when fishing there.
167	Great idea!!! Would definitely use it.
168	Great idea, but I tend to fish in areas with moderate cellular service. I would think others in remote areas would not be as interested.
169	Great idea, especially having license data available
170	Great idea, I would definitely use the app.
171	Great idea. There should be one for personal use regulations also.
172	Great idea. I would definitely use it.
173	Great idea.... a smartphone app that is a great way to move forward.. everybody should have ready access to information on species regulations geographic area fish counts as well as emergency closures thanks so much for this app I will enjoy using. I will still bring my paper regulations with me each year Regardless
174	Great job guys. Keeping up with the times so that we handle a very important resource for Alaska. (Family been in Alaska since 1959)
175	Great questions, like the smart phone app idea and would apply this to hunting regulations as well.
176	Great survey, I usually have the hardest time figuring out what kind of bait or hook to use in a specific area, they have been confusing in the past. But I have friends that are commercial sport fishermen, and they usually keep me informed if I have questions. Thanks!
177	Had to hit the choice to many times.
178	HAPPY TO HEAR ABOUT THE PROGRAM
179	Happy to see you all innovating!!
180	Have a fishing report on each lake or river

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
181	Have a location-specific option, i.e., Kenai River, Kasilof River, where you can click the location and get all the info re: restrictions, bag limits, hook sizes or numer of hooks allowed, everything to keep people legal while fishing. Also, please limit the rockfish bag limit. That fishery is slowly depleting in Kachemak Bay.
182	Have app report a violation and submit photo and any other info to troopers.
183	Having an app with a digital copy of the license that is considered valid would be very helpful.
184	having an app would be great...please make sure internet service is available, too.
185	Having read ADFG booklet for 40 years, it's become second nature. I also do not have a problem keeping track of EO's. However, seems sportfishing isn't the primary objective of fish management.
186	Hello. I am only able to go every other year but truly enjoy fishing in Alaska. Thanks.
187	Highly recommended an app for convenience reason and for mandated alerts and fines. Penalties can be issued directly to the individual should they break a rules or laws on the spot. Can also remove or suspense a license on the spot until further notice. Similar to parental guidance restrictions. Just food for thought.
188	Highly unlikely I would use any such app for any purpose
189	Hope to be back in Alaska next year.
190	Hopefully it would be easier to navigate compared to the website as it always took me a while to find the regulation section for an area where I want to fish eg. Southcentral and it's regulations. The booklet is easier to flip but the website is a hassle to find with a smartphone (for me). I hope the app would just be a click away or two. An updates on stock lakes would be nice to show currently stocked or when it had been stocked. If an added feature of saved lake and if it was stocked then a highlighted thingy/word appears on the saved lake eg. Jewel lake would be awesome to know that it had just been stocked.
191	How expensive world this be to produce app. Would this increase the cost of fishing license
192	How would it show in which unit/area you are in? I did not have service for ten days unless I drove to Homer.
193	How would the recording of King Salmon for non residents be policed?
194	Hunting would be nice too
195	I'm 61 and not a big smart phone user, although I do own one... An app sounds like a good idea.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
196	I'm 71 so I know how to function without a smart phone.
197	I'm a recreational fisherman, and I'd prefer not to have another app, and many of the areas I fish in don't have cell or wifi. Simply make the regulations accessible when you by the license, sort by region, and printable.
198	I'm an old person but I can tell you I LOVE technology and the vast amounts of information you can have readily available. I also believe the different fisheries could be managed slightly better with more information. I think ADF&G does a remarkable job of managing our resources and I appreciate anything that will help make their job easier.
199	I'm glad you are asking these questions. I often struggle finding the answers I am looking for.
200	I'm glad you are working on this. I don't think the regulations are too complicated. I just think the clarity of disseminating the information has been lacking. If you can have an app that allows a user to get info for the area they want to fish, the time of year they are fishing, the species they may encounter/target and then it very simply and clearly states what is legal and what is not, that would be a great service to the public. Any changes (EO's) could be included, too. Then test the app like crazy with regular users. It is amazing the mistakes people make on something that seems simple. Please don't say something in 100 words that can be said in 15. Good luck!
201	I'm not a big time user of apps , and for me I'm old school , I don't always rely on my electronic devices . But I know a lot of folks do use there smartphones for everything . I can see that benefit .
202	I'm not an Alaska native, ao the most useful feature for me would probably be to help clarify which area I'm in so I could know what the applicable regulations for that area are.
203	I'm not sure if I'll get into it, but it isn't a bad idea to get it probably.
204	I'm old school so probably would not have a phone upon which to use this however others in my party might
205	I'm probably not your target demographic for this survey. I live out of state, and I only fish in AK when I visit my parents. They keep track of the regulations, and I'm not sure what sources they use.
206	I'm really not into apps except messaging and GPS features
207	I'm so new to a cell phone, I'm really not one to ask this.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
208	I've tried to find a good fishing app for Alaska and haven't been able to find anything so this would be great. Having a legally valid copy of your hunting/fishing license on the phone would be convenient. I would mostly use the app for regulations. i'd like to be able to search the lake or area i intend to go and see what species are there and the regulations regarding them in that area. beyond that, tides and weather would be neat additions but most people already have apps for that. it would be really helpful to have fishing reports as well. I tried going fishing earlier this spring and it turned out all the lakes were still frozen. maybe being able to upload pictures of your catch at a specific lake/river/bay so other people could have the option to look at them when researching that fishing area.
209	I absolutely love the idea of an app. The website works but I have to cache and save different things for off-line use in different folders. The idea of having all of it in one place is fantastic.
210	I am 70 years old and am not interested in an app. I am sure my age has a lot to do with that
211	I am always concerned I am going to miss some bit of information from comparing areas specific regulations to general regulations. This seems to be the confusing part for most people A smartphone app with all relevant info for one geographic area would eliminate the need to compare between general and area specific regs.
212	I am from out of state, it is important that the guides know the fishing laws to instruct people they take fishing
213	I am not a huge user of smartphones.
214	i am not an app guy.
215	I am not an avid fisherman, only recreational
216	I am not much into apps. My kids are.
217	I am out of state and don't have data coverage on cell where I fish
218	I am so happy that we can now purchase our licenses online. And if you had an app I would be the happiest fisherman out there. I love Fish & Game and Alaska and by the way can you tell me Where are the fish?
219	I believe a smart phone app would go a long way of keeping people in the know of current regulations without have to relay on misinformation or lack of knowledge of such things. I for one would love to have handy information on current Regs and any new emergency order for any given location.
220	I believe that in this day and age when every business seems to be catching up to digital information via apps it could be to fish and game advantage to have an app with all kinds of good stuff on it.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
221	I believe this would be immensely helpful for people like me!!!
222	I believe too much is already on smart phones. I would rather look something up on line than have more on my phone. 'for someone who fishes many times a year, the app would be good. For a single trip a year, to resort with guides, its unnecessary
223	I bought one license one time, and relied on the vendor to guide me with regulations. I picked up a booklet on the way out just in case but never really read it.
224	i cant wait for the app
225	I currently use a Fish Rules app on my IPhone.. The app gives me fishing regulations based on my current GPS location. The app provides a pic of the fish, open or closed season notification, bag limit, citation requirements for weight or length and allowed fishing methods.
226	i do not have a cell phone
227	I DO NOT HAVE A SMART PHONE
228	I do not have a smartphone
229	I do not have a smartphone/apps
230	I do not have or use a smart phone.
231	I do not have smart phone
232	I do not own a smart phone
233	I do not sport fish. I only dipnet, once a year. Most of these questions are not relevant for me.
234	I do not think any weather needs to be on there. Can go to a specific weather web site or app for the weather. There are companies that specialize in weather so let them supply the weather
235	I do not use a smart phone
236	I do this for a living for Deloitte in the Life Sciences area... be sure you have a way to generate revenue (sell licenses) and a way to handle the most common issues (mine were what kind of fish is this, what do I do if I catch a king while fishing for trout...yes I understand that is not common and now understand why, what regulations apply to me in my current location)... on the front back one there imagine if you could see someone was in a prime location (or an area you wanted to better protect) you could have the app ask if they would like to purchase a premium day pass for that location...more revenue! Possibilities are endless, hope you enjoy this process!!
237	I don't always have my phone with me when fishing so using the app might not help me that much.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
238	I don't have a cell phone, are you going to require me to get one to fish? Keep things as simple and old school as possible.
239	i don't have a smart phone
240	I don't have a smart phone
241	I don't have a smart phone
242	I don't have a smart phone
243	I don't have a smart phone
244	I don't have a smart phone so don't care.
245	I don't have a smart phone so I would not use the app. I think that would be great for those who have a smart phone but ADF&G should not assume all people have them and not expect people to need to use the app.
246	I don't have a smart phone, but would use this on my Samsung tablet for sure.
247	I don't have a smart phone.
248	I don't have a smartphone, so apps are useless. Please keep information available in forms that are available to us without smartphones. Thanks.
249	I don't have or use a smartphone.
250	I don't own a smart phone.
251	I don't own a smartphone
252	I don't use a smart phone so this is not really applicable to me and therefore not something I care about at all
253	I don't use a smartphone or apps.
254	I don't use Apple smart phone.....I use Android operating system.
255	I don't use apps due to potential for information harvesting/ breach of right to privacy. You should be very clear on what information you collect, store, use and share about the app user. You should minimize the amount of information that you collect, store, use and share. This shouldn't be some weird trojan horse into personal privacy of users.
256	I don't use APPs on my phone
257	i don't use apps well at this point, but would find the above helpful
258	I don't use my phone when I fish, and for most of the places I fish, it has no reception. I rarely use my phone for anything but calls.
259	i dont sportfish i fish for food. i hate cellphones.
260	I enjoy fishing Alaska. Reductions in fishing quotas has reduced the number of trips that I go on resulting in my fishing in other states that are easier and cheaper to go to.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
261	I enjoy my time in Alaska. I depend upon the Outfitter and Captain of Boat to keep me informed. I do not hesitate to ask the appropriate questions. My decision to go to Alaska to fish is on a year to year basis.
262	I feel it would be nice
263	I feel like I fish in areas where it would be hard to access an app. I wonder how easy it would be to pick up in remote areas?
264	I feel that an app is the way to go. So many people have cell phones and access to all the information that we may need is handy. Great job on seeing that adaptation to current time is the way to reach so many more people.
265	I felt have a knowledgeable guide was a huge help. Our captain new where, how big, and how much we could catch
266	I felt that there were too many people fishing our river. Too many people were uneducated on the regulation and fishing etiquette. Down right rude...
267	I find the EO regulations a complete mess to understand. For example, to know that you could fish king salmon in the juneau area you had to a) Know to check the EO, 2) know to check both the regional EO and the special harvest rule EO, 3) # often means looking back through the all the EOs to find when the original was issued, and to make sure it wasn't superseded. It's a complete mess.
268	I fish with friends, but not every year and I do not own a smart phone nor do I want one. We always enjoy our fishing trip.
269	I fished only as a one time tourist.
270	I found harvest limits a bit confusing and wasn't sure a lot of the time. As an out of state angler, I don't want to violate any regulations, so I may not go fishing if I am unsure what the regulations are or can't verify the information.
271	I generally am with a guide but I think this survey is a good idea as I know you do have lots and lots of rules in Alaska
272	I go sport fishing almost every year in Alaska and I think that you do a wonderful job controlling everything
273	I greatly support a smartphone app.
274	I have a 'flip-phone' and at present, have no interest in up-grading to a 'smartphone'.
275	I have absolutely no interest in a smartphone app
276	I have been fishing in Alaska for 20 years, only gone 8 times during that period and always fish with a guide. The guide keeps me informed.
277	I have been to Alaska 3 times over a 23 year period and 2 of the locations don't have cell service. I do my homework before I leave.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
278	I have fished in Alaska for several years in Cordova and Kodiak. I find it extremely easy to purchase fishing licenses online. I believe an app would further benefit the public with regulations and important information needed to enhance the Alaska fishing experience i.e. species ID, tide tables, weather forecast and phone numbers for ADF&G. I've had a lot of great fishing experiences in Alaska, but in the last couple of years- that experience has been diminished by the numbers of people fishing the Copper River Delta area. I've found that the over-crowding on the Ibek, Alaganik, and other nearby rivers has led to confrontations among fisherman. That experience has lessened my Alaska fishing experience.
279	I have fished on Kodiak Island the last four summers. I rely on our lodge host and guide to inform me.
280	I have loved coming to fish in Alaska. I dream of it often and will return as soon as i possibly can afford to travel back. Please keep the populations high. I don't mind not being able to fish for something when the numbers are low. I would rather there be fish to catch than no catching at all.
281	I have only been fishing in Alaska one time, so an app would not be something I would use.
282	I hope this goes thru, this is a much needed app, way over due.
283	I hope this happens. It would be great. Accessing emergency orders and being able to tell species apart by looking at pictures would be ideal.
284	I hope this survey assists you and us fishermen.
285	I just think this is an excellent idea and will make things a lot easier when preparing a fishing trip.
286	I like Hard Copy of License/Licenses I laminate them and keep multiple copies in boat truck and backpack. Digital copies may not be displayed in certain areas and or person may not have a smart phone on them. Guess it would be okay for a non-resident to have digital copy on phone..Keep it Charged:)
287	I like the app idea and the EO to be updated online or sent to me electronically
288	I like the Dipnet Kenai app, I know the time a day the fishery opens, I can see the boat launch with the web cams, the maps are good to help you find parking. I think an app would be great for planning fishing trips.
289	I like the idea of a cached copy of a license.
290	I like the idea of a fish app for fishing in Alaska-would definitely try to use that.
291	I like the idea of a smartphone app, reception is sporadic at best in some area's. So updating when the phone has cellular or Wi-Fi reception again is a great idea.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
292	I like the idea of access to cached data with access to emergency order information. However, if it is dependent upon location data, I will not use it.
293	I like the idea of an app
294	I like the idea of an app with all of the options in question 22!
295	I like the idea of the App. This would be a good thing.
296	I like the lakes data base, even though I do not trout fish much. I believe regs should be included along with the lake data. I've long envisioned a system similar for rivers, salt, etc where you could click a map and find other fishing info such as species and regs/EO's for a river and/or salt water area. Would be outstanding to incorporate into an app!
297	I live in Washington and fish AK once per year. Geography is the key for me.
298	I look forward to testing out the App if it ever becomes active.
299	I love the idea of ADF&G having a smartphone app! It would encourage me to explore more fishing options and better communicate regulations to other people.
300	I love the idea of ADF&G having an app. If y'all do create this app please use proper programming to ensure the app is completely functional. This app would help put everything outdoorsmen need to know in one location.
301	I love you guys! Difficult job to manage fisheries and people.
302	I may be old, but fishing and 'apps' are and should be completely separate worlds
303	I may not use it often but the people I fish with are more savvy about connecting with the app and would definitely use it and I would rely on them.
304	I no longer need to purchase a license but it would be helpful to be able to have it in your phone. Local entities are no longer selling because the compensation is not worth the hassle especially when they are busy. Only option if you don't have a printer (or internet since ATT service here sucks) is to go to the library when they are open.
305	I normally don't care to use technology while fishing.....
306	I normally go thru a charter group so they inform us. Your on line regulation seem pretty good I use it to buy my license.
307	I only fished 2 days. One was on Kenai river for salmon, the other halibut fishing out of Homer. I relied on the knowledge of guide and boat owner to keep me legal as I was catching fish
308	I plan my trips around closures and limits in the locations that I am traveling to. This information would be important to me

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
309	I rarely use a smartphone, so my comments regarding smartphone app are less relevant. However, seeing the abundance of smartphone use, it seems like a good idea!
310	I really hope you develop this app. Having a digital copy of my license would be great!!! Then I wouldn't have to purchase another one because my other one got wet from fishing with it on my person(seeing how my phone is waterproof)
311	I really like the idea of a smart phone app. It just needs to make sense, and be easy to use. Some app's out there are so convoluted they are almost impossible to use.
312	I really like the ideal of a fishing app, as far the regulation go, before the state trys to change it, I think they should research the easy regulations to read
313	I really really love this idea! I think we are all used to buying and carrying our license so that is the lowest priority but would be awesome on there as well. The info all in one place, easy to access, sorted by area would be such a huge help
314	I recently relocated to Washington state. I never truly appreciated ADF&G until trying to decipher the Washington Fish and Game Regulations. Keep doing what you're doing. Keep it simple.
315	I rely on my guides to keep me legal. I can't sort through your regs on my own. Especially in the Kenai, where rules change at every bend and buoy.
316	I rely on my husband to tell me regs, he never is confused or has trouble finding information.
317	I rely on my outfitter for compliance with regulations.
318	I suggest a good PDF file of the regulations that we can download to our phones for offline use. Also a way to get an email or text message about emergency actions would be nice. Creating a good app and keeping it updated sounds difficult and expensive.
319	I suspect if app displays what fishery I'm in then it would be GPS compatible? Also, if GPS compatible, make certain users of app understand that use of GPS doesn't allow us auto forgiveness for fishing in closed areas. GPS constellation isn't always perfect. I can hear it now. GPS is on and app doesn't say I'm in a closed area. Signage and booklet and ADF & G's great emails square that away just fine to keep us anglers out of trouble. Thanks for your time.
320	I thing an ADF&G App is almost a necessity in this day & age. I would DEFINITELY use it exclusively and most likely skip picking up the printed copy that is available all over the state. It would be wise to develop an app and certainly widely adopted by sportsmen and women.
321	I think a smartphone app would be a great idea.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
322	I think an ADFG app would be awesome!
323	I think an app is a great idea especially if it allows digital storage of a legal fishing license.
324	I think an app is amazing and have wondered why there wasn't one already. So many things could be accomplished, particularly emergency order info which is difficult to find
325	I think an app with the features shown above would be awesome. I would definitely use that.
326	I think an app would be a smart addition
327	I think an app would be a useful tool to help look up information and I would definitely use it. I definitely appreciate having the ability to store a legal copy of my fishing lic because I can't tell you how many times I've lost mine or it became not legible due to getting wet or destroyed.
328	I think an app would be a very helpful resource.
329	I think an app would be amazing!
330	I think an app would be great! Everyone has a phone with them so it would be easy to stay current on changes and laws specific to the location I'm fishing. Build it!
331	I think an app would be the best idea.
332	I think if you're an Alaska Native born and raised in Sitka AK, you shouldn't have to purchase an out of state fishing license. I think if you can prove your from Sitka AK, and prove native ethnicity you should be able to purchase a regular license. I can definitely record the weight and species with a specific section in the mobile app..
333	I think if you're going to allow people to 'digitally show' their permit cards for dipnetting then you really need to them to HAVE to use the app. I think it's the only way to not have people just lying about it all the time. It's why I have a problem with you allowing people to print off the card from home, what's to stop people from printing off a new one each day?
334	I think it's a great idea, but would probably not use it only due to limited space on my smartphone.
335	I think it's a great idea, I would definitely use it.
336	I think it's an AMAZING IDEA!!! Would make everything so much easier for us and you!
337	I think it is a good idea.
338	I think it is a great idea and has high importance. This is the digital era and virtually everyone uses smartphones for data every day
339	I think it is a great idea for residents

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
340	I think it is a great idea! we are moving that way anyway so why not
341	I think it would be a great asset to all Alaska Fishermen.
342	I think it would be a great idea. Not only is it an easier way to keep up to date with the regulations, but it can also be used as an educational tool, as well. Also, I find it frustrating at times to look up the regulations for a certain species in my area. I feel like I'm wasting my time sometimes. An app with a search feature would be beneficial to just about any angler.
343	I think it would be a useful tool
344	I think it would be great to have a digital copy and an app. For my phone. Only worried about the cell phone service available in all of Alaska! Good luck with your endeavors!
345	I think it would be widely used
346	I think it would def be popular
347	I think it's a good idea
348	I think it's a great idea!! Especially for fish count
349	I think that an app if you could download the area to your phone and be able to use it off-line. We have that in Montana with our OnX maps.
350	I think the App idea has merit. however, in an era when we are struggling to fund state government, i would hope that the app (if produced) would be done in a cost effective way. In addition, the app would require annual maintenance - which means an annual chunk of budget to maintain. I'm not sure we should be adding costs right now. Overall, I'm not in favor of an app being produced. The paper copies of the regs have served us fine.
351	I think the app is a great idea!
352	I think the app is an excellent idea especially visiting sportsmen from out of state.
353	I think the app what be very useful and I hope you create it...
354	I think the app would be a great addition to the state of Alaska now that most people have a smart phone. The app would have to be able to store info on your phone pertaining to the fishing for non phone service areas where one might fish. That info would have to be harvest record, license info Incase a warden shows up to check that info.
355	I think the app would be a great feature for all who love to fish.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
356	I think the App would be a great tool for any Alaskan outdoorsman or woman. When I first started fishing here six years ago trying to understand regulations was daunting and stressful hoping I was understating the rules correctly as to not break any laws. Definitely kept me from fishing my first few years, but as time passed and I spoke with other anglers and became familiar with the adfg materials I was able to understand better, and if this process could be made easier for any angler I'm am all about it!
357	I think the app would be a very good idea and would love to have it on my phone
358	I think the app would be most useful if you could search first, by location, then by species. If I am fishing for Reds on the Kenai, I don't want to know about the regulations for fishing Reds on the Copper River. Also, the most confusing regulations, for me, are those surrounding Rainbow Trout. Having a feature that simplified this would be beneficial.
359	I think the app would get a lot of usage. Some issues with access could happen.
360	I think the smart phone app is a must and quite cool
361	I think this app a GREAT idea.
362	I think this is a great idea if constructed properly.
363	I think this is a great idea!
364	I think this is a great idea.
365	I think this is a great idea. Sometimes it is difficult to find the regs regarding specific species and areas. I have had to call while in the field to ask questions before.
366	I think this is a great idea. Thank you for thinking about how to improve fishing in Alaska!
367	i think this is a great way to get relevant information into the hands of nearly everyone these days, and can guarentee the accuracy of current information in a very relevant way.
368	I think this would be a fantastic idea. I also think contacts to NOAA and the troopers would be great things to have handy to report any violations or wildlife issues with a way to send them your location via GPS.
369	I think this would be a fantastic thing to have for the state! Would be cool to include hunting as well
370	I think this would be a good idea. Especially for providing notice for emergency orders and immediate changes to fisheries and harvest.
371	I think this would be a great idea and am in full support of it.
372	I think this would be a great idea.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
373	I think this would be a very useful tool, especially if you are easily able to pull up regulations for your current location.
374	I think this would be an awesome tool. My booklet always gets wet! I would love to have notification of emergency orders. Also I'm not too familiar with juneau so advice of where to go and how to fish/ which lure to use would be great. Also if it could tell location so you'd know if you were in a snag/ no snag area.
375	I thought no it's great that ADFG is looking at ways to make sport fishing regulations / licensing easier. We all have our smartphones with us....would be nice to have fishing info /permit with app. We could keep track of all harvests and send in from app to f&g. Might include substance as well. Easy way to track what is being caught and where
376	I trusted the guide to say what I needed for a 1 day license and what was allowed and not allowed
377	I understand that this is for sportfish only, but what I really want is an ADF&G app that I can open, and it uses location data and season data to tell me what I can harvest right here, right now. I want this for all game, not just fish.
378	I use state of Missouri's app for hunting and fishing license and regulations. The app works great but definitely could use more accessibility. Digital copy of rules and regulations and license and ability to submit a harvest report on the app.
379	I usually have some fishing gear in my car, but I'm not always sure what or how I am allowed to fish in different places I come across, so I opt not to fish. I really like the idea of an app!
380	I usually use a guide, so I rely on the guides re ADF&G information, but I do want to know when a given specie may be in a particular area. And I found your existing information to be fine, except the emergency regs should somehow get to those fishing - last year we had a reduction in king salmon take while we were there, guides got the info.
381	I want to be able to look up regulations about places I want to go. I do not want to be tracked...eg location services that would be a tough sell to Alaskans...
382	I was on a 3 month trip to Alaska, . I really don't think what I feel important as the locals are the ones that should be completing this questionnaire.
383	I went with a charter. I relied him to keep me in compliance. His license depends on it and he knows every detail.
384	I will not add another app to my phone, no matter what it is. My phone only gives me weather forecasts and access to email.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
385	I will not download an application that requires overly invasive permissions.
386	I will not fish in alaska due to your vote against the Affordable Care Act, your States acceptance of Scott Pruitt and Donald Trump. When they are gone I will support fishing in Alaska again
387	I would add the weekly fishing reports for area of interest. I get the Kodiak area one via e-mail. Could be in App also. Also add reports of problems (Facebook would be a little late).
388	I would agree that in this day and age a smart phone app is overdue. Regulations are constantly changing and the web site is not the easiest to navigate. Furthermore the fish and game use both newspaper and radio to do announcements , both of which I do not subscribe. I do not watch local news channels either.
389	I would agree to use ADF & G smartphone app
390	I would be most likely to use the app for notifications about emergency regulation changes but I would probably use it occasionally for quickly checking other various rules and regulations for how, where, and what I'm fishing.
391	I would definitely be interested in the app if created.
392	I would definitely use an app showing me up to date emergency orders. There are too many different opinions when I ask which river is open for which species. I live within 11 miles of three king salmon rivers and would love to have current regulations at my fingertips. (Deep Creek, Ninilchik River and Anchor River)
393	I would definitely use and appreciate a smartphone app to keep me updated on the latest regulations in an area. It would be great if it would notify someone if they traveled into an area closed to fishing/or restricted fishing of certain species since that seems to be happening more lately.
394	I would like to see a increase in the Harvest Ticket for Reds on the Kenai if you do not live on the Pennsulia
395	I would like to see a menu like the booklet that is out that has a location you can click on with all pertinent information under that selection. If I were to go to the Russian river for example I would like to see that the falls are included and maybe a map or trail guide with directions and distances. I think an app could really be great if done correctly, or a hindrance. Allow a community section that has tips and tricks for each area from other anglers for somebody who may be going to a new location for the first time.
396	I would like to see a smart phone app for all species not just fish but for hunting and trapping also

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
397	I would like to see a text line for reporting illegal fishing or hunting activities.
398	I would love a functional app that would allow some streamlining of information. I appreciate your looking into this.
399	I would love an app. the only problem could be signal issues in fishing locations. People would still have to plan ahead
400	I would LOVE an app. This would help a lot.
401	I would love if there was an app available for Android. I would especially like it for logging my fish while dip netting. I also think it would help reduce the amount of people who take advantage of using paper copies. The only foreseeable issue would be the problem of not having service in the more remote fishing locations making it harder to log your fish.
402	I would love to see this!
403	I would never use the smart phone app.
404	I would not allow ADF&G to use my current location.
405	I would not download or use it.
406	I would not use a smartphone for anything
407	I would not want my fishing spots made public via GPS location through my phone.
408	I would not want or use an app that invades my privacy. No tracking when, where or how. No personal data.
409	I would really like to see some type of GPS capability that can be used with the bathymetric maps.
410	I would really love to see an app from you guys. I think it's a simple and easy way to get the right information and fast. I'm not always carrying around the regulation booklet, so having an app on my smartphone would be awesome. I especially like the idea of having a digital license on their too. I would also like a way to identify a fish, but it has to be very detailed. Don't just give one or two pictures and then a long discretion. It should have many pictures and even videos.
411	I would use it !!!!
412	I would use it as long as its user friendly.
413	I'm from AZ, and love coming to Alaska to fish every other year. I understand the importance of game management, but just like AZ, AK can get confusing to a non-resident.
414	I'm glad you are working on this

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
415	I'm impressed with your ideas. The book isn't that hard to use as it's a lot like Washington's where we dock our sailboat. But the app sounds great especially if it ties into my phones GPS. Sometimes I'm not sure what region I'm in as I travel around SE
416	I'm pretty comfortable with the way things are now because I'm used to it. The app sounds good but I would probably keep getting the info the same way.
417	I'm there to fish, NOT keep in touch via internet.
418	Identify fish species with color photos and size limitations
419	Identifying what location you are end is most important and can be very confusing .
420	If access is good, it would be good to have.
421	if user allows location tracking, getting specific information as it relates to my location would be very helpful, especially emergency orders
422	If you could pull up regulation and emergency regulations for area your in right then that would be so helpful
423	In my experience, I have very limited service and I am 50 and not into a bunch of apps
424	In my opinion as an out of state angler, this app would be extremely beneficial and informative as regulations may change at any time and the 'need to know' would be readily available.
425	In remote areas, the location service would not work where cell phone communication does not work. Please make note of this as my region is mostly out of cell service, Bristol Bay
426	In this day and age, a phone app would be a fantastic option to have in addition to a printed book.
427	Include hunting regulation on an app as well.
428	Include hyperlinks in the PDF version of the regs to other sections (and a TOC that you can click on)
429	Info should be downloadable for those not in a cell zone
430	It's a fantastic idea and would really make things simpler and information more readily available and easier to find. The ability to store your fishing license would be crazy helpful.
431	It's a great idea, yet the devil is in the details - if it's clunky, it's useless. Connectivity will be a challenge, although it appears you are trying to address this with cache capabilities.
432	It could be a great tool.
433	It is much needed. Thank you

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
434	It looks like you guys are on the right track, judging by the questions! Keep it up!
435	it should be user friendly, easy to use and understand by everyone.
436	It should show rule that are ease to read so there is no confusion.
437	It would also be nice to see bag limits per species in the area I am in - maybe that's part of all regulations, but if it were broken down easily and separately that would be good. Also some decent resolution maps that can actually be used instead of the grainy detail-less overviews we get most of the time now.
438	it would be a good idea to create an app....
439	It would be a great tool
440	It would be a lot easier than trying to keep a paper copy handy and dry!
441	It would be amazing to have an app that did all of these things cleanly, concisely and that is easy for the end user to use. Would love to see this!!
442	It would be extremely helpful
443	It would be great if it were a fishing AND hunting app.
444	It would be great to have a digital copy of your license, and be able to see emergency orders and regs for the area you are in.
445	It would be great to have info and regs that pertain to shrimp and crab gear, seasons, limits, ectra. All in one app. I know some of these fisheries are personal use but it would be nice to have it all in one app.
446	It would be great to receive updated/revised rules or fishing bulletins via email on the app. It'd be useful if there was a way to personalize what information you'd like to receive, be it fishing, hunting, clamming etc. Also, having an easily accessible link to report poaching or illegal activity to ADF&G (with the ability to attach photos for evidence) would be a great tool both for helping ADF&G and encouraging hunters and fishing enthusiasts to help protect our resources.
447	It would be great to use it as a reporting tool instead of the survey we get at the end of the season (LONG after we've forgotten what we actually caught!!).
448	It would be nice to be able to display your license on your phone if you get checked, printing out a piece of paper and signing it is not a good system
449	It would be nice to not have to try to call the different office hot lines to figure out what's going on. It would be beneficial to have the information updated on an app. I think it would be greatly used and a huge time saver.
450	It would be very beneficial
451	It would be very convenient to have.
452	It would be very helpful and should be implemented!!

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
453	It would be very useful as long as phone service is available. Will it be downloadable for those cases where contact is not possible?
454	It would definitely need to store information for offline use. I think it's a great idea! Another suggestion would be to have graphic information about what methods/gear are and are not permitted.
455	It's the way of the world now.
456	Its not the wording or structure of the booklet that's poor, its just that you have such a diversity of regulations for such a diversity of areas/habitats. Maybe it's unavoidable, but a larger conformity of regs statewide would help simplify. Im not really sure where emergency regs are disseminated, I assume online... I see them posted occasionally in bait stores.
457	Just hope my smartphone has reception for all this information on the Kenai.
458	Keep in mind that I am an older guy, and that I carry around the paper booklet. Younger people are very much dependent on apps, so you are on the right track. My answers may not be the most helpful, though.
459	Keep in mind that many areas we fish do not have cell service...this the app could be problematic.
460	keep it as simple as possible
461	keep it clean and simple
462	Keep it really simple for non-tech folks
463	keep it simple and easy to use
464	keep it simple and think about the population of people who use smartphone apps as they grow older it should be easy use. If you qualify for life time fishing license that is one to be displayed because it was not purchased.
465	Keep it simple please.
466	Keep it simple to navigate.
467	Keep up the good work
468	Keep up the good work. Love fishing in Ak.
469	KISS
	I appreciate ADF&G's effort to improve communication. We are college grads with advanced degrees and have some difficulty identifying where the regs are and in understanding them as well.
470	KISS. You're the Government. Your app will likely not be the best, so don't think you can create it.
471	L love fishing Alaska
472	Large print , large tap buttons and simpler the better. We will have rain gear on, gloves on or cold fingers

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
473	Last year was my first year. Had I not been staying with a local fella who knew the regulations I would of been more confused on my own. Particularly threw identifying the types of fish. I do not have enough experience to know exactly between all types. I enjoyed it, but I could of very easily made an honest mistake.
474	Last year while fishing the Chitina personal use, the ADF&G website was not up to date on king salmon emergency order. I'm very glad I saw it posted at the fishing spot or I would have unknowingly taken king salmon illegally.
475	Leverage the app for hunting regulations as well.
476	Like booklet Everything there Phones die or get no reception unreliable
477	Like to have nets out of river more for better sport fishing
478	Limited cell range out there. Make sure changes can be downloaded into a pdf EASILY as part of a casual checking, not an F'in buried reg it takes an IT specialist to find.
479	live remote feel smartphones for me is dumb
480	Local Office contact information which could be covered under Contact ADF&G office
481	Local regs including emergency orders and storing license are top things I'd use it for.
482	location where we fish and stay, does not have cell service, thus until all cell phone networks, work in these location app would be useless, do not intend to purchase a local phone plan for a week or two each year
483	location within a certain geographic fishing unit
484	Look forward to an app...
485	Looks great. Make sure the buttons are simple and easy to use with nice tabs for a drop down menu
486	looks like adf&g are moving ahead
487	Looks like you have the potential for a nice app. Keep up the good work. Protect the Kings. Stop all harvesting of Kings to strengthen the stock for the future. Then lean by past over harvesting mistakes.
488	Lots of areas where there is no cell coverage.
489	Love AK fishing & ADF&G!
490	Love Fishing Alaska.
491	Love fishing in Alaska Thanks
492	Love the idea of an app. We usually pick up a couple booklets and keep them on the boat, in truck and in the camper.
493	Love the idea. The more it can do the better. Maybe even add in safety or emergency numbers for areas.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
494	Love this idea! Was just talking to a friend about it and about how confusing the regs are.
495	Low probability we would use app because one of the things we enjoy about our annual fishing trip to Alaska is the limited cell phone service and not using the cell phone during the day. The paper booklet is very easy to use, make notes in and carry with us (no batteries).
496	Make app friendly to users.
497	Make app usable from older version of Nook and other e-readers with internet access for users who don't have smartphones.
498	Make as user friendly as passable
499	Make heading fish in the field legal to allow bigger fish to fit in a cooler on a smaller boat. Allow recording of fish overall length an allowable substitute for creel survey at dock.
500	Make it cheap to download.
501	make it easy to navigate and not take up too much space on phone
502	Make it happen! It'd be a game changer.
503	Make it simple to browse !!!
504	Make it so that you can look up offline also
505	Make it super easy to navigate with drop down menus. Also storing info offline. How about an emergency locator signal that takes a few extra steps to trigger which May also list your emergency contacts to notify. Ability to file a boating, flying, hiking plan of where you plan to go.
506	Make it useful on a desk top also
507	Make it user friendly!
508	Make it user friendly.
509	Make simple and intuitive
510	Make sure App is available on both I-phone and Android.
511	Make sure hunting is also available.
512	Make sure it is easy to use.
513	Make sure it is easy to use. There is a lot of people in the older generation that don't know how to use a smartphone very much, so the easier to use, the better!!!
514	Make sure it is iPhone/iOS compatible. This app is a really good idea. Record fishing harvest for own personal log—could include snapshot (reduced size) photos.
515	Make sure it uses a small amount of GB for the installation of the app. Make sure it is easy to use and search areas/species/regulations.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
516	Make sure the app can function on a minimal bandwidth, only put critical information on the app and avoid videos and other nice to have options, or allow a low bandwidth option.
517	Make sure the app is compatible with Windows smartphone apple iOS and Android with no ads.
518	Make the app available as soon as possible.
519	make the paper regs waterproof... when fishing in southeast, it rains a lot and they get soggy... I would be willing to pay for the waterproof copy
520	making a legal digital fishing/hunting license most important
521	many area have no Cell service. Why waste time on apps.
522	Many fishermen would provide accurate harvest data but may be resistant if they felt the data was being used with GPS coordinates involved in an app.
523	Many folks will use it especially younger folks that live on the phone.
524	Many of the regulations specify geographical area (such as from some bridge south to the fork of some river etc.). This is fine if you are a local and familiar with the area but if you are a tourist vacationing in Alaska you have no idea what that means relative to where you are! An app that uses your phone to show your location and the regulations that apply to the location where you are fishing would be a tremendous help!
525	Maybe have a blip on a map or a listing of businesses close to the body of water your at incase of emergency.
526	Maybe option to purchase lifetime sportsman license :-) for Alaska resident
527	Maybe the app could allow the public to submit observations from fishing, photos of fish caught, and other info that may help inform managers and allow the public to be more connected with managers.
528	More and more people use smartphones for everything.
529	More law enforcement on rivers. I see so much lawbreaking on rivers. I call it in but there is not enough law enforcement. Maybe the app could include a section to document and report rule breaking.
530	More likely to use the app if it is free.
531	Most apps I have seen for fishing or hunting are poorly designed and are not very useful.
532	Most places I fish there is not cell phone coverage.
533	Most places I have been there is no internet connection.
534	Mostly fishing outside of cell phone contact.
535	Mostly use my smartphone for pictures when outdoors. I like to escape the 'cell' part of cell phone!

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
536	Multiple family member licenses on one app [I would like to display my wife / kid info without having separate devices or dealing with login / logout] or at least a quick swap for ease.
537	Must be user friendly for old people not use to using a smart phone. Great idea.
538	must easy and simple to operate
539	must have a user name and pass word to sign in. Show lots of pictures especially, show young and mature species.
540	My cell phone reception in Alaska is spotty, so I have strong doubts about whether a smartphone app would work.
541	My experience is that cell phones aren't useable in most places in Alaska wilderness
542	My husband is always looking up the regulations for us so it is foreign to me. However, I think that he would love to have a smartphone app.
543	My introduction to fishing in Alaska(summer 2017) was great. It is not likely I will return to fish in the next 3-5 years, but I appreciate the opportunity to offer input on this survey.
544	My last trip was so bad I never plan to fish Alaska again!!!
545	My only concern would be if the coverage of wifi is in the location of my fishing. If I don't have wifi, then I would not use the app.
546	my phone is so old the appwould not get much use by me
547	N/A, Would not use app
548	Need to know when the commercial fleet has been allowed to fish in cooks inlet during red salmon season .
549	Needs to be accessible without data in non internet locations. Digital License needs to be exportable to pdf so that it can be printed and accessed via email easily.
550	needs to be clear and simple to navigate
551	Needs to be updatable, however there should be a set very specific time that it can be updated like every sunday night at 2359. No other time will it be allowed to update.
552	no concern to me I don't and wont have a smart phone
553	no reception renders this feature worthless
554	No smart phone service where I fish
555	No suggestions to offer since I don't have a smartphone.
556	None at this time thanks for your time
557	None, except there is no cellphone coverage in the areas I fish.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
558	None. Dont do apps.
559	Not a real tech guy. Aquiring Regulation booklets with ease would be good. Thank you
560	Not all areas are equally covered by WiFi or data services; thus information must be stored ahead of fishing activities. Anglers must be told to be familiar with regs ahead of fishing. For non-residents they must know cellular data coverage areas in advance, or download the ADF&G booklet. If the digital scan method for a valid license is approved, hard copy must still be accepted. Licensees should be given a 1X lifetime ADF&G number that is used for all registrations, fish, game, boat, recreational vehicle, (snowmobile, UTV), ice shanty etc.. Much more efficient system to track sportsman activities. The 'Go Wild' system in Wisconsin is a good model of this. Once an individual (resident or Non-resident) is registered, not only can they purchase a license/permit on line, they receive a 're-newel' notice months before the expiration date of the boat or vehicle. There is no need for this for fish and game licenses as its understood they all expire on the last day of the month or predetermined date depending on the species. When on-line registration is opened you will receive more fees from people that support natural conservancy, and actually don't hunt or fish.
561	NOT all people have A smart phone it costs to much I know I don't have 500.00 or 600.00 for a phone and a plan to use it.
562	Not all phones work in all areas, would it be possible to show what phones and carriers work in the area you will be in?
563	not going to use smart phone at all for anything to do with it
564	not interested in an app get off the phone and go fishing
565	Not interested in app. I don't have a smartphone.
566	Not interested in smartphone app
567	Not likely to use it.
568	Not living in the fishing area, it would be useful to visualize the boundaries of the area one is located. Also it should indicate your location.
569	Not required Good for supplemental and regulations
570	Not something I would use.
571	Nothing at this time
572	Obviously, app must be able to store info on phone prior to leaving for remote area with no internet access.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
573	Offline ability is critical for the app. Also, the ability to plan fishing in another area is essential. Many times if we aren't doing well then we'll move to a new location or we may be fishing for several days and will be in different areas. Finally, easy access to Emergency Orders would be phenomenal.
574	Often the regulations reference a specific bridge or structure but a person not familiar with the regulations or area do not have a reference to the bridge or structure. This happened to me in the Anchor Point area last year.
575	Old school . . . don't use apps, but I suspect many others would. Likely a good idea.
576	Older people like me, should come with some instructions.
577	OMG DO THIS!! Yes, an app that is GPS enabled so it knows where I am and the regs automatically come up for my fishing area is BRILLIANT!
578	One of the most important features of an App would be GPS location identification that can cross reference my location to the regs. for that location. This eliminates the ambiguity of its ok to fish by this rock but not that rock.
579	One of the reasons I fish in Alaska is to leave my phone behind. No such thing as a 'smart phone' or artificial intelligence.
580	Our family is stationed in Alaska as a military rotation. Not sure how often we will get to visit of how many fishing trips will occur in the future
581	Our group depends on the guide/outfitter we are with to be knowledgeable in the regulations and inform us.
582	Over all I think that ADF&G does a good job, its big state with complex issues that vary by region. I do believe that creating an app would be good, after all we live in a very digital world now, thanks for all you guys do.
583	Part of the appeal of going to Alaska is escaping the technology I have to deal with day in and day out!
584	Per question 16, it would be clearer/ more grammatically correct to say 'Do not remove a coho salmon you intend to release from the water.' Current wording indicates you intend to release the water...
585	Personally I don't have any issues with the regulations. I use them all the time and keep a copy with me. I think the wording on some things is a bit hard to understand at times, ie. the closed area for king fishing off Deep Creek. Is it closed to all fishing or just targeting kings? As a whole though I think you guys do a great job of getting the information out there and making sure people are getting to go out and fish. I also really appreciate the men and women in the field making sure people are following the rules and answering questions. I have had such great experiences with them and always recommend anyone who has a question contacts ADF&G or Alaska Wildlife Troopers.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
586	Personally I would most widely use it for fishing regulations by location and especially if it popped up for my current location. Having a valid digital copy of your fishing licenses would be greatly appreciated as well, however, I do not believe you should be able to record fishing harvests. In my opinion, harvest records should be done in person. A digital harvest recording worries me that people may be dishonest or login to a family members profile to fill out their harvest tag before their own.
587	Phone service is very iffy where we fish—Heckla
588	Play music by the band Phish, Mackerel Mouth and Don Henley.
589	Please assure any identification utility accurately represents the taxonomic key appropriate for each species and it is not simply just an artistic representation of a fish
590	Please be sure to show an 'as of' or 'information last updated' very visible if you are publishing EO on the apps, so users cannot use that as an excuse to wrongly fish in an area. Also, the legal statement regarding how an app user is not exempt from knowing current rules/ regulations, etc, whether requiring initials or signature, reminders when the app opens, etc.
591	Please create an app!
592	Please develop an app!
593	Please develop an app, that would be very useful
594	Please develop one, it would be so helpful and time saving
595	Please do create an app.
596	Please don't spend tax dollars on app. Fund this through licencing fees. Thank you.
597	Please follow KISS (Keep It Simple Stupid)
598	Please let me know if you get it
599	Please limit the number of "clicks" you need to drill down thru before the answer appears.
600	Please make it easier to find what the limits are in a specific area . I believe it is important to change the limits based on counts but as a sports fisherman it is very difficult to access this information
601	Please make the app compatible with Android smartphones as well as iPhones.
602	Please make the app! In such a technology advanced society, this would make things so much easier for fishers!

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
603	Please make this app it would be awesome to have have you lisence and be able to record harvest right in your phone. Aside from the app the harvest punch would be nice then it would be online to look up then peoplw can't reprint a lisence to to tag more fish. Awesome idea tho look forward to seeing it
604	Please make this app!
605	Please make this app! What a great idea!
606	Please proceed! Thanks for the information. We love Alaska!
607	Please provide smart app. It will help fishermen fish responsible, new generations more likley to fish responsible thus protecting our fish and making your job more effcient and able to spend more time on other areas of your workload. Thank you.
608	Please understand that I have only fished in AK once, and it was with a friend who is a professional guide and whom I depended on for regulations, rules, etc.
609	Post when the commercial netters are in a particular area and taking all of the fish!! Very discouraging to by a License and King stamp and then find out the entire river has been raped by the commercial fishermen!! Tends to make me not buy the licenses and just go to the store, but then again I don't have to go to Alaska to do that!!
610	prefer a text option I don't have data plan and no internet at fishing locations
611	Probably a good idea. It must be clear and concise. I currently use one fishing app (in addition to tide charts and sunrise sunset apps). It is called 'Fish Rules App.'
612	Probably very helpfull have the App.
613	probably will not fish Alaska again
614	Put guide log books into an on line recording method or do away with them altogether.
615	Questions 20, 21 and 22 are N/A for me. I do not own a smart phone or any other cell device!
616	Really all information listed above is important. No longer a resident of Alaska, I don't always know what is happening and have to look up all the regulations. It would be so nice to be able to purchase your license, know the regulations for wherever you may be fishing, tide chart, weather, and species (specially for those that may not be completely familiar with the fish. The easier and more convenient the better.
617	Record and log GPS location for crab and shrimp pots. Help prevent theft.
618	Reference the app "Allstays" for RV's as an analogy or example of information and format.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
619	Regs and Emergency Orders definitely.
620	Report emergency, help needed, auto locator, nearest radio/phone contact, etc
621	Report want/waste. Report bear sightings.
622	Search for regulations by method
623	Seems to be a good idea.
624	Separate Resident from Non Residents
625	Several years ago I called to check if an out of state friend could buy a fishing license and could dig for clams at clam gulch. Fish and game rep said absolutely not; it was a subsistence fishery. Later I went to a ADF&G sponsored clam dig and they said that was wrong. Calling is not for me now.
626	Should be able to operate when no data service is available, in case I am in a remote area
627	Should be mandatory.
628	Should include Federal Fishery Regulations
629	Show current conditions (i.e. weather, other hazards, bait used, what's biting, what equipment/set up are working to catch fish, etc.) based on local reports from others fishing in the your current geographic area.
630	Show regulations during which time of year and region for each species I.e.: halibut, Cook Inlet, June 15-30, single hook no bait.
631	Show the location of the nearest Wildlife trooper on a moving map
632	Show the type of fish & limit you can keep
633	Showing you what unit you are in is key.
634	Simple use. Less options. Report illegal anglers
635	Since I have been fishing in Alaska the past 22 years the fishing stocks have degraded tremendously. IE MatSu Salmon streams and rivers, salmon and halibut numbers in resurrection bay and PWS, copper river and tributaries. What is ADFG and the State of Alaska doing to bring back the numbers of these lost and dwindling fisheries.
636	smart phone app is critical in fishing
637	Smart phone app is the way to go
638	Smartphone app should be a top priority for ADF&G.
639	So many fishing places are to remote to recieve network
640	Some people may not have or use a smartphone.
641	Some places where we fish do not have cell reception, so usefulness may be limited.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
642	Some times pay apps are far superior than free apps. I would pay \$15 for the app if it provides clear information and gives me confidence that every time I fish, I am fishing legally!
643	Sometimes the regulations use technical jargon that I'm sure avid fisherman know right off hand. For people that are weekend warrior fisherman trying to figure it out it can be really intimidating. Including a glossary if terms would help with this.
644	Sometimes we catch fish that are not normally in these waters, so way to report this catch. Also an area to report illegal or bad activities.
645	Sorry at my age a smart phone is Far Smarter than I am. I depend on my guide or Skipper to keep me out of trouble!
646	Sounds exciting. I like the old school approach still too though.
647	Sounds good, so long as I can remember to upload all my info while I have wifi
648	Sounds like a fantastic idea!
649	Sounds like a good tool to use. Would like to be able to contact ADF&G as needed. Have run into people snagging when not allowed.
650	Sounds like a great idea!
651	Sounds like a great idea! :) I hope it works!
652	Sounds like a great idea, would definitely use all the time.
653	Sounds like this app could come in very handy if it were user friendly and worked with all smart phones.
654	SOUNDS WONDERFUL, GREAT IDEA.
655	Storing digital copy of license is a must. I would also love some sort of interactive map that shows rivers, popular fishing holes, marks showing where on the river regulations change (i.e. the kenai confluence). And lasting, some pictures/diagrams of popular tackle used for the rivers. Being a somewhat inexperienced fisherman, i never know how to tie my tackle for various rivers and i rarely know where to go to fish. I would fish a lot more if i had better access to this information and tips of the trade.
656	storing the digital license is really good!
657	Survey is good idea. When writing regulations...keep it simple. Write them like a story. Headlines with explanation restate headline at end. Thanks and good luck.
658	Thank you for all you do to make sure the fishing in Alaska is viable for future generations
659	Thank you for all you do
660	Thank you for letting fish Alaska. Don't have a smart phone.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
661	Thank you for reaching out with the survey.
662	Thank you for the opportunity to participate.
663	Thanks for all you guys and gals do! Alaska is always great to visit
664	Thanks for asking for Feedback!
665	Thanks for asking the opinion of sport fisherman.
666	Thanks for doing this. Let me know if I can be of further help!
667	Thanks for listening. I fish in WA, MI, and WI. Regs are always a challenge! Would be great if they were in similar format for ease in finding needed info! g.
668	Thanks for looking for ways to make sports fishing easier.
669	thanks for the hard work!
670	Thanks for the survey
671	Thanks for this opportunity
672	Thanks for your interest in providing useful and informative regulations. I look forward to the result.
673	Thanks! This is my Second completed Survey,
674	THat's a very cool idea--yes please do it!
675	That is a great idea! Please do this and give us all the information we need. Being able to store a digital copy of our license and regulations to use offline would be incredible
676	That took way longer than 10 minutes to do a good job....
677	that will be awesome, i want it
678	that would be great!
679	That would be so helpful! It should have download options in the event of no cell coverage
680	That's a great idea!

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
681	The ability to digitally purchase and store a valid fishing license or related tag (king tag) would be huge. I always seem to forget my license until I'm headed out on the first trip of the year, and a digital option would be hugely valuable. Location-specific regulations using the current location of the phone would also be extremely helpful. While I always attempt to check regulations before heading into the field, I don't always bring the regulation book with me, or know exactly where I am on a waterbody. Having an app provide location-specific information would be huge. I could see this being done in a fashion similar to the FAA B4UFly app (for drone users). It provides a map and general guidance, but also gives a simple 'Flight prohibited' message based on location. I also see an app being SUPER useful for emergency notices. Being able to send a push notification to the phone would be great. While email and text both would work as well, an in-app notification/push notification would be genuinely useful. I am not a developer, but would be happy to conduct any public testing for such an app. I think it is a great idea.
682	The ability to have your license legally stored on your phone would be a major priority, especially since purchasing licenses online is being pushed.
683	The above feature would be awesome for an app, especially uploading your harvest record.
684	The app is a good idea. My only concern is that any regulation changes or EO's be available on the app. The app has the potential to cover all needs for sport fishing information and replace the paper version of the regs. It's a good idea.
685	the app is a great idea and way overdue. I think a feature for reporting suspicion of abuse of bag limits, using wrong gear, wanton waste, or other abuse and misuse of our resources to assist ADFG would be helpful.
686	The app makes sense in this age of technology and would be easier for the younger generation to understand.
687	The App option is overdue. Can't wait for it to come to fruition.
688	The App sounds great.
689	The app sounds like a fantastic idea, but in AK you could be in a wilderness area with no cell service so I believe a paper booklet is essential also. Thank You I
690	The app system needs to accommodate a situation where a fisher uses his/her phone for proof of licence in the field, but the phone battery dies or does not function properly. That fisher should not be cited in this situation, so there needs to be some system to handle that.
691	The app would be a great idea. Any additional source of knowledge is always appreciated.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
692	The best feature would be showing the fish counts and emergency orders.
693	The challenge is that I do not always have good service on my phone when I am in Alaska (some areas)
694	The convenience of a smart phone app is the future and I would like to see it happen.
695	The cost to fish in AK is high. This needs be considered when you reduce the days/limit of the charter fisherman. So far all of the consideration has been given to commercial fishing. This makes me angry we are not coming up this year because of this We have caught halibut that have been maimed deliberately apparently by commercial. The public needs to be first considered for tourism as well as commercial.
696	The cumbersome and confusing regulations do create doubt in fisherman who are trying to obey the law. Why is it so important that there be so many variations of information on fishing regulations. The regulations need to be simplified and easy to understand so that more people can enjoy the Alaska experience without fear of breaking the law inadvertently. Additionally there needs to be a better discount for military who come to visit and enjoy what Alaska has to offer. We should show our thankfulness for what they give.
697	The current web site is a mess
698	The difficulty of the app is the connectivity of the device. Offline display of information is critical as most of the time connectivity is poor, limited or non-existent.
699	THe features listed above that could be part of the app look AWESOME! This would be VERY helpful and would hopefully make understanding and following regulations more accessible for people! GREAT idea.
700	The fishing regs are easy for the most part but trying to figure out how and where to hunt is impossible. I donate my hunting draw fee to the state every year.
701	The guide I use is very well informed on all of these issues. As a result I know less that I probably should. A booklet or phone app would be appreciated.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
702	The ideal app would allow me to have a very customized experience starting with purchase of tags and a clear understanding of what I purchased. For example, did I just buy a hunt/fish license or did I get my King stamp and dip-net permit too? Clicking on regions and then waterbodies to see species info/regulations would be nice too of course. I would rank having the regulations by current location a little lower because of battery/data use issues in the backcountry, thought that is potentially a nice feature. Storing digital information would be great. I'd love to know where, when, and what about my trips. I'm a data nerd. I clicked tide charts because I find some links are better than others at determining location specific tides. Frankly, all of the items above seem useful. Being able to do it all in 1 app would be great. Don't forget recipes! One thing I'd love to know is what the average fisherman is doing to catch fish in a region. In other words, the common tackle setups. That might be over-the-top, but it would be cool.
703	The more information a person can access the better. Make it so the person can select what info they want to select. Of course people want things for free but I would even pay a monthly fee to have such an app with all useful info.
704	The most helpful thing for me would be to identify the fishing regulations of my current area and any emergency orders issued for that area. Also, a digital copy of my license would be great if that was an option.
705	The one issue now is the regs are scattered from one end of the book to the other it needs to be simplified. Select a region for example the Kenai and clarify what's open and where to find additional information (EO) on a smart phone. An app would be a great start.
706	The only concern is being able to have WiFi access, which is not always possible.
707	The only real issue I can see with an app, is cell tower coverage. When I was there in September 2017, my phone (Verizon service) was out of contact the majority of the time. I fished on and around the Kaslof River most of the time and I would have had no way to update, receive a text or anything requiring cell service. That said, if the app had the capability to download the regs and a copy of my licences, tags and stamps to my phone for offline use, that would be more handy in my opinion.
708	The phone app would be very helpful.
709	The smartphone app is a great idea. Streamlining rules and regulations to readily be on hand would be VERY helpful. The fish species is a top feature for me. Sometimes it's hard to tell the difference between king and silver salmon. Especially if it's been a year since our last Alaska trip.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
710	the smartphone app makes sense. anyway to be able to send an emergency message using the app?
711	The state should use a smartphone app to quantitatively tally all sportfishing harvests, especially for long-lived species such as halibut. It is unclear how halibut stocks can be effectively managed without a clear harvest record. Commercial fisheries management in this state is far more precise than recreational or subsistence- why not use the advances in technology available in 2018 to keep more precise harvest records and use that data to further science-based management practices? It is perfectly easy to get a license, access regulations, and understand the verbage used.
712	The time has come....
713	The user interface must be as simple as possible. And have hours and operation times of offices and numbers to those offices.
714	The Utah DWR app has worked very well. you guys should check it out. I think its a great idea to do this.
715	There have been times when fishing remote that immediate change orders were put into effect while we were fishing. We had no idea until we got home.
716	These are ALL great features that may be used at various times but are still very useful and informative.
717	They're nice when, and if they work wherever the person is currently at
718	Think about the older generation and keep the font large enough to read or put in an accessibility function for larger font.
719	Think app would be great
720	THINK IT WOULD BE A HELPFUL AND USEFUL TOOL
721	Think its a great idea.
722	This app is long overdue! It would save us a lot of time, and it would eliminate all confusion about emergency orders. The State should use every tool available to effectively manage our fishing and hunting resources in the most sustainable way possible!
723	THIS APP WITH EVERYTHING ABOVE WOULD BE AMAZING!
724	This is a brilliant idea!
725	This is a fantastic idea! Even just a mobile friendly version of the ADF&G website would be an improvement, but everyone loves a good app. (Links are so squished together it's almost impossible to hit the correct one when viewing the site on a phone)
726	This is a fantastic idea! Hope it happens soon.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
727	This is a great ide and one that would be very useful for sport fishermen especially visitors to the state.
728	This is a great idea
729	This is a great idea and I would use it constantly!
730	This is a great idea and if given real time data would make fishing more enjoyable due to not worrying about breaking some unforeseen regulation.
731	This is a great idea and would be greatly appreciated if the app was made well and was easy to use.
732	This is a great idea to keep everything simple as possible.
733	This is a great idea!
734	This is a great idea!!! Hope it works.
735	This is a great idea. Don't worry about location specific info, just put all info for the state in there and allow the person to scan to the location they want to fish and get info on the regulations. Also, don't worry about bells and whistles that clutter up the app (tide charts, fishing tips, tracking catch and needless stuff like that). Just make a really good version of the paper booklet but redesigned for an app.
736	This is a great survey and I really hope this app gets implemented! Could be a huge improvement!
737	This is a great upgrade you are planning. When it is developed and tested you should provide the information to other states, specifically Washington and Oregon. Keep up the good work and thank you for the opportunity to provide feedback on future plans. I LOVE FISHING ALASKA!
738	This is a very exciting idea! I hope you can make it happen!
739	This is a very good idea
740	This is a very good idea
741	This is an awesome idea! Another item would be something similar to APD's Nixel texts about emergency orders.
742	This is an excellent idea to communicate with the hundreds of thousands of people that flock to all fishing spots each year.
743	This is the future and I'm glad you are getting there. Hopefully next year I will be using it. Thx
744	This should absolutely be a thing.
745	This sounds like a really great development!
746	This survey was poorly prepared as questions were confusing. What is the main problem with the way in which regs are prepared and communicated? My experience in the Williston river area was very confusing regarding which zone I was in and dates therefore to point I was not willing to book trip again.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
747	This was a good survey
748	This would be a great and useful app!
749	This would be a great improvement. Hopefully you will do the same for hunting. A Q&A with ADF&G link to ask questions (regs & fishing openers) would be great.
750	this would be a highly effective tool, especially for more amateur anglers like me
751	This would be a real service.
752	This would be amazing and extremely useful.
753	This would be amazing. I would even be willing to pay for an Android app like this.
754	This would be great - would love to see it happen,
755	This would be great as a hunting app to display the specific GMU and species regulations based on your smartphone location.
756	This would be great!
757	This would be highly useful and extremely convenient rather than looking up on ADF&G website.
758	This would be very helpful
759	This would be very helpful. Here in Utah, it goes location first. Species and Regs.
760	This would be very well received if it is done well!
761	thought about this very thing for the Kenai River a few years ago. Even started learning swift develop an app to make Kenai regs easy to understand for your current location.
762	trip planning would be great. if there was more google 3d pictures that could be taken throughout the waterways that would be cool.
763	Up to date information in the field benefits everybody
764	update information daily, make it clear and easy to understand!
765	Use app in place of pen/ink harvest ticket.
766	Use simple language and not too much info. to read.
767	use the money that would be spent on this should be spent to improve fishing playing with your device instead of fishing what a waste of time
768	Using to access emergency orders and fishing regulations would, by far, be the most important use for me.
769	Usually don't have cell service
770	Usually don't have any service for cell phone when fishing in Alaska. Could pose a problem.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
771	Very excited for an app. I think our family would use it all the time. We fish trout in many different places and fish out of Whittier as well. All of the information available to us is very important and well used. Thank you for being so awesome!!!
772	Very well done on improvements fish and game.
773	View other states Apps
774	Visiting ADF&G offices in Anchorage was awesome. You guys do a great job. It was a pleasure to visit!
775	visuals would be good, showing what kinda of lures are allowed or not allow in specific locations
776	Washington State is in Beta testing for an App Similar... I think it's a good idea as long as you have cell service....
777	Waste of taxpayer money
778	way to contact/text wildlife enforcement maybe a way to report wildlife sightings for people who are out to view wildlife
779	We (wife and I) fish with a guide who is aware of seasons, etc.
780	We are booking sport fishing usually 1 year in advance well before any emergency orders are in effect. If you had a map on the app that defined each area impacted that would be helpful. Some description of limits of southwest sitka below the tip of some area is of zero use to anyone other than a local. Let me tap on my planned fishing location and see the restrictions there.
781	we do not use smart phone apps
782	We enjoy the fishing in Kodiak a lot. Thanks
783	We fished through a certified lodge. They took care of issuing the appropriate licensees d made certain we fished only our legal amount. We are residents of CA.
784	We hire a fishing guide and expect that they know the rules and regulations. Smart phone app would really help as I know guides get confused too.
785	We ONLY fish catch and release for king salmon!
786	We only use charters so depend on Captains knowledge!
787	We were vacationing only time to fish.
788	We would just rely on our own son as he keeps very updated on all fish and game rules and regulations since our phones are useless in the remote area he lives in
789	Weather alerts, fires, catastrophic events
790	Welcome to the 2000's if you build an app.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
791	When I plan to visit the Kenai Peninsula, reservations are made months in advance. Salmon Runs & Rules vary & I expect that. If I have already planned to fish on the Kenai River, everything applying to that Location is of interest to me when I arrive. Perhaps a cross reference of species availability vs. locations, with an app that you can update daily according to predicted salmon runs that expected up river, or an emergency closing, etc.
792	When in an area with cell coverage the smartphone app could be a one-stop shop. It would be very helpful, on a map viewing my location in relation to the boundary line. I do encourage launching the app.
793	Where I fish there is no cell reception. Emergency orders are guesswork or word of mouth. AND usually wrong. Makes me crazy trying to follow the law.
794	Where I fish there is no cell service.
795	Where I have fished in Alaska, I have been so far outside cell phone reception area that a smartphone app with web-based updates and linkages would be utterly useless.
796	While I may use an app, I would always want a paper booklet available as a back up. I usually get several and keep them on the boat, in the truck, with my fishing gear, etc...
797	Why have you not done this yet
798	Will not use the smartphone app. Will be through fishing in Alaska
799	With todays people more high tech everyone goes to their smartphones first and it is always there when you need it and no one ever leaves their phones.
800	Would be easier for the fisherman I think and great idea.
801	Would be easy to look up by creek and show me what I can keep. Including emergency orders up to date.
802	Would be great idea to include app in this day in age! Would make everything convenient and easy to look up what's needed!
803	Would be great...very helpful
804	Would be nice but would probably still go to Alaska fish and game site to check I am some times out of cell svcs and if it did not update that could be a problem then again if I'm out of svc area I couldn't check your site either I usually check and plan ahead
805	Would be really great to have the digital copy of the finishing and hunting license on the app! I always have my phone on me!
806	would be really handy to use your specific gps location to provide regulatory information, weather, tides specific to where you are fishing.
807	Would be useful. Have it ability to use current location.
808	Would be very beneficial if provided real time updates.

Table 17: Comments on Potential Smartphone App (*continued*)

id	Responses
809	Would like the count per day add and increase.
810	Would like to see one and if it works I would use it as long as it was not full of avertiesments
811	Would love to see an easy to use ADF&G app come out that we can easily go to for quick reg reference.
812	Would LOVE to see the app with whatever Emergency Orders are in effect for your current location, as well as the ability to look them up for other locations.
813	Would love to try it out. Can't wait till you folks make it happen. Making fishing access easier will lend to more licenses being sold, everyone being legal, and fun for all involved. Fish Alaska!!
814	Would not be as useful if it did not display real time updated information and have a contact us function with prompt answering
815	Would rather see the info on line or in a booklet so wouldn't have to mess with the phone while fishing.
816	WOW... wouldn't this be a GREAT tool to have!!! Anxiously awaiting the day it is released and available for download!
817	You guys are awesome!
818	You guys do an amazon job. I work on a drift Boat and when I get the chance to sport fish I jump on it. Thanks for making it simple.
819	You make it and ill use it!
820	you must make the app. this convenience will make more people responsible without excuse. keep it simple and plain easy to use. less words is better. make it so that you don't have to be tech savvy to use. also make it a free app or one that comes free with license purchase.....
821	You people do a great job. Keep it up!!
822	You should definitely make it easy to find when searching online and have the web address clearly on the paper license. Also write directions plainly and clearly in regulation and rules. Not everyone can decipher government backwards talk. Just say if you pull it out of the water then you have to keep it. You don't have to say it convoluted line like both of your choices on this question in the survey is worded. I fish with a lot of folks who are just confused by this style of wording and have heard them say they can't understand the regulations so they just fish and hope not to get checked. Bad business that
823	Your process for buying online license is one of the best web pages I have ever used. If the app worked as well you would have a home run

Appendix 2: Open-ended Comments on What Alaska Department of Fish & Game Could Do to Make Fishing Easier

The following table reports open-ended responses. Two have been removed because they contained identifying information. The remainder have not been edited or changed in any way.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier

id	Responses
1	.pdf of regulations downloadable on phone or app.
2	1) Provide digital licensing on a mobile platform, 2) provide location-based regulations, 3) provide digital notifications of emergency orders.
3	1. Make the location and the rules that pertain simple and clear, try to keep people from having to jump around the book. Highlight exceptions or limits. Separate rivers from lakes, etc by type and make alphabetical. Many non locals can't picture geographic locations or ranges and make easy reference of them. Needs to be an easier guide for that. 2. Would be nice if you considered upping the amount of salmon out of state fisherman can keep. Locals can net so many fish compared to out of stater's who pay more for tags and licences, and support tourism. We actually have to 'fish' which is challenging, & we have really small limits compared. I'd be happy to keep 10 a day rather than the 3 or 5 daily that we hook. Which is still a small number compared to the local netters 100s. The netting was just nuts last time we were there.
4	1.Create guidance for anglers to better handle situations involving blatant violations of rules without confrontation. 2.Place signage at popular locations to highlight regulations.3. Stop the daggers from dredging the seabed and severely regulate bycatch with very heavy penalties.
5	A better way to notify or access to emergency closures, such as the recent closure of King Salmon fishing here on the Kenai River.
6	A consideration for rewording as exemplified earlier in the survey.
7	A lot of fish get 'snagged' vs caught in the mouth. I see fish that are really beat up from this, but they have to be let go. People snag fish a lot. If they could keep them, those fishing would be done fishing quicker. As well, maybe a bunch of injured fish would not be snagged over and over (which seems to happen as the fish get weaker from being snagged initially). I personally don't know that it is a skill to snag a fish, but it happens a lot and maybe this should be evaluated for some different approaches to this rule.
8	A mobile app would be amazing!

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
9	A more streamlined approach to obtaining a sports fishing license for out of state people
10	a paperback explaining the best methods and baits to use for each species during the seasons, details on size restrictions, etc..
11	A phone app with pertinent information would be helpful.
12	A single site where all outfitters can be found and information about each could be reviewed
13	A smartphone app seems like a great idea. Being able to interact with the ADFG folks is also important for general guidance.
14	A smartphone app would be useful.
15	Ability to purchase and keep a digital version of fishing licenses via a phone app.
16	Ability to store license and ID on the phone so I don't have to carry that stuff on me in a ziplock bag
17	Access to app for license to carry on phone.
18	Access to the regs would be a good start. quick acces on an app would be helpful.
19	access to times the commercial fisheries are active in regions accessible to sport fisherman
20	Actively enforce catch limits on the river. Have a presence; issue citations for people who over harvest. There are many people to 'hog' the river and never leave, preventing others from having any shot whatsoever at fishing.
21	ADF&G here in Kodiak is a great resource. They are very helpful in every way. So there is nothing better that can be done in my eyes.
22	adfg has done a poor job of management when the salmon spawn in the ocean. OH that's right they don't spawn in the ocean so why do you want to scoop every salmon out of the ocean before you have your escapement and then cry to all the sport fishermen that we may not get our escapement and have to stop you from fishing. I'm convinced you will keep up your poor practices till there are no salmon left to catch. before you started your so called management mother nature did fine for millions of years
23	Adfg is doing well with what they have and can. They are human and make mistakes like everyoneelse.
24	Advise where ADF&G fish surveys are taking place and then profile the size/ population of species that have been found in the inland lakes and streams. Basically helping to determine best success rates for anglers.
25	After reading your regulations last year I thought they were easy to follow. Nothing like the chaotic mess that is Washington Dept of F&W

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
26	Again, use an inseason application for reporting. The end-of-year survey is worthless as nobody can remember what they harvested when it arrives. Also, I do not use Facebook and do not intend to. I suggest not relying on Facebook as a primary means of conveying information.
27	alerts of limits + or - or shut downs
28	All in all my experience was awesome and I look forward to coming back. I came up and used a paid guide by to come up with out a guide set up the Facebook page or an app would be awesome to stay connected.
29	All in one place and not refer to different agencies like noaa for information
30	All info in one place online!!!!
31	All is o.k. now. I do not use Facebook and never plan to. Thanks.
32	All of the information you provide is exceptional and up to date.
33	All red salmon caught with a lure are snagged everyone knows it. Stop insisting only fish snagged in the mouth can be kept. Let people get their limit and get them out of everyone elses way who have not.
34	All refs for a region in one spot
35	Allow a digital copy of hunting/fishing license on my smart phone.
36	Allow bait in more places LOL On a real note, access is the most important thing. Access to stocked lakes is fine and all, but many people (myself included) are not particularly inclined to catch little ugly stocker rainbows until it gets boring. Increased vehicle access to lakes and rivers, which allow for launching canoes/kayaks/boats etc. would be fantastic.
37	Allow better limits for non residents. Stop treating non residents as second class citizens
38	Allow charter companies, guides, lodges, etc. to sell licenses.
39	Allow charter halibut on all days and months
40	Allow citizens over 70 to use bait. Most of us have arthritis in our hands, and cannot cast for very long. I know, because I go with a friend and watch him fish while I have to quit. I was once a resident of Alaska, but due to health, I moved South, but still fish in Alaska several times each year. Still have a lot of friends all over Alaska.
41	Allow digital fish licenses and tag fish with a picture and submitted.
42	Allow for licenses to cover any specific number of days.
43	Allow Law Enforcement to accept PDF copies of my current hunting/fishing license viewed through a mobile device. Being able to record my catch on a smart phone app.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
44	Allow less commercial fishing in the South Central region to increase escapement into the rivers. Potentially buy out permits over time to eliminate commercial fishing in parts of cook inlet.
45	Allow me to submit electronically data for the fish that I harvest during the Kasilof subsistence set net season
46	allow more king to be harvested for non residents. I only go to Alaska every few years. it is extraordinarily expensive so a larger harvest would be more attractive.
47	Allow more than one king salmon per year when anglers only make one trip per year.
48	Allow proof of license on phone
49	Allow snagged salmon to be kept
50	Allow snagging on the Kenai so more anglers can cycle through and there's not as much congestion.
51	Allow special privilege for Wounded Veterans, whom I have been taking to Alaska for the past 10 years.
52	Allow to get dipnet permits online for all areas allowed.
53	Allow treble hooks on Harding lake
54	Allow use of 2 flies in areas that are currently one. But making those flies barbless.
55	Allowable electronic copy of fishing license.
56	Allowing us to keep an electronic copy of our fishing license on our phone and use that as proof of license instead of a paper copy.
57	Also provide enforcement...those creating the laws aren't enforcing them. Troopers have different interpretation than ADFG.
58	Always a fairly easy and pain free experience
59	An "all you need to know (regulatory wise) guide to fishing Alaskan waters" while visiting Alaska
60	An app for the smart phone
61	An App or website to with simple limits for an area—to include the current emergency orders. Make it simple. You can catch and keep 5 cohos using only lures. Live bait isn't permitted. Coho has to be at least xx in size.
62	an app rather than a booklet for regs would be nice. I like the idea of rewording the regs as well. they can be a little confusing in the passive voice.
63	An app so I can see the fishing regulations and purchase licenses would be very helpful.
64	An app sounds like a great idea!

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
65	An app to tell me all the regulations for some place I want to go, even if it's some small stream that isn't listed as being in a drainage.
66	An app with all regulations and site specific rules would be awesome.
67	An app with all relevant information and emergency info.
68	An app with digital license and harvest reporting as well as regulations and emergency orders.
69	An app with location in reference to zones.
70	An app with picture of what I can catch in a specific area
71	An app with regs and tips for fishing
72	An app with the aforementioned services would be great, and license stored on iphone
73	An app would be fantastic.
74	An App would be great
75	An app would be very helpful!
76	An app, easier to read regs with better indeces
77	An easy to use and understand app for phones
78	Anchorage location to go in and get lifetime license.
79	Announce early in the season. We plan our trips and then you close fishing for a day of our trip. Very hard on us.
80	APP for field use, gps location interacting with map and regulations for that area
81	app for lic and regs. including harvest.
82	App for phone and rewriting some regulations in simpler language
83	App idea is great! Think salmon not caught in mouth should be allowed to be kept as we've seriously hurt them anyway and they don't eat once in the rivers. Would be nice if we could protect salmon at sea (outlaw fishing that scrapes to bottom). Allow keeping/selling of bycatch and mandatory reporting of what bycatch is caught.
84	app is a great idea!
85	App on phone that identifies where you are and says what limit is in exact spot or if snagging is ok
86	App with fish identification, where/how to fish by species, and relevant regulations.
87	App would be fantastic.
88	App would be helpful
89	App would be nice
90	App, make license digital, easy to get and understand regulations

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
91	Apply science, make a decision and stick with it.
92	Appropriately manage the sport fish population.
93	Approve the digital license and catch card for anglers to carry.
94	area of fishing are stocked and what times
95	Areial photos of popular fishing spots
96	Arrange booklet by geographical areas and have each area's section list ALL area regulations. Make it easier to find EO's online—too many pages to work through now. Where do most people sport fish? Have direct links to those pages.
97	As a disabled person, I find it difficult to produce a letter from my doctor, so that I can proxy my fish. An hunting is even worse. It can be a challenge to get to the adf&g. That being said I appreciate being able to proxy fish.
98	As a military member, I've lived and fished in many different states. Alaska's regulations are by far the most intense and confusing at times. I spend HOURS trying to make sure I don't make a legality mistake. Less intimidating regulations would make fishing easier.
99	As a resident over 62, I was able to fish just about anytime I wanted to. As an out of stater, it is very expensive. But regulations can be very confusing, a video of what's what would help.
100	As my wife and I primarily focus on salt water fishing, the regulations - online and booklet are good.
101	At the beginning of each regulation book, it would be helpful to have a "Summary of Changes", giving a brief description, by area, for what has changed since the previous year. In the current system, we have to read the entire book again, and then try and find the differences from the previous year. As an example, the age for fishing licenses changed last year. But if you didn't read about it buried in the book that didn't change for many years prior, you would still assume it was age 16. Many experienced fishermen missed this. The same could be said for slot limits, new closures, etc.
102	At times I have had difficulty understanding the regs. For example, I would like to go Pike fishing in the Deshka river drainages. The regs show for this time a single hook for Salmon. Can I use a treble hook for Pike? I have assumed I can't. Some clarity would help.
103	At times trying to tell the difference between a king and a coho can be difficult. Put something together with a 1,2,3 type of procedure to go through. A few more pics than what is there now.
104	Authorize electronic fishing/hunting licenses available on people's phones instead of always having to carry the signed hard copy

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
105	back off the commercial fishers so us sport fishers can actually be allowed to go fish.
106	Ban commercial fishing
107	be able to bring up last years information on the license and make any changes if needed instead of filling out the whole thing every year.
108	Be available to answer regulation questions - and nicer too. Your info staff is grumpy - fire them all and hire nicer people - except Ken, he's nice.
109	Be fair with the regulations the commercial fishing industry is their primary concern at the expense of sport fishermen. I suspect sport fisherman provide as much to the economy as the local fleets in the summer months. Also need to back off the commercial bottom fishing in Cook inlet, they have ruined the halibut fishing the past several years.
110	Be kinder, not everyone is a violator.
111	be more clear about when, where, and how
112	Be more clear on the rules, and change them as infrequently as possible.
113	Be more responsive and respectful of public comment and input. Even if the body making the regulations does not decide in a certain way about an issue. At least sending the message that they have heard what people have to say and acknowledge it and discuss it before making a decision would go over better in this community. More education on regs, how they are made, how to comply with them if they are complicated and connecting people to opportunities to comment or change them.
114	Be more transparent about the how and why they manage the sport fisheries in the state. Specifically, chinook salmon and pike fisheries in the Mat-Su
115	Be not so specific with species and location. I have to be an ichthyologist and a cartographer now
116	Been doing this for awhile so no help necessary.
117	been fishing in alaska every year for the past 26 years the bag limits for halibut has decreased while the commercial fisherman seem to control this bag limit decrease at the expense of the sports fisherman
118	Being able to get a king crab personal use permit online.
119	Being able to keep my fishing license in my phone.
120	Being able to purchase and display your license on the app sounds very nice
121	Being able to understand regulations easier. Not everyone knows names of drainages and boundaries like the back of their hand
122	Best techniques used for certain species of fish
123	Better / more things handicapped can access
124	Better assistance with identification of salmon species

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
125	Better communication
126	Better communication of emergency orders
127	Better communication of Emergency Orders
128	Better control the commercial fishing industry
129	Better define the ocean zones for type and size.
130	Better descriptions of boundaries, close all fishing for sockeye for a few miles below paxson lake.
131	Better descriptions of methods/ tackle allowed.
132	Better district maps to help determine which lakes and streams fall under certain regulations.
133	Better explanation of seasonal rules.
134	Better explanation on closures -
135	Better identified areas
136	Better management of commercial netters vs sport fishing during short run of fish for sport.
137	Better management so there are fewer restrictions.
138	better maps depicting zones. hard to tell exactly some of the areas are especially if not a local
139	Better maps. If it's digital then maybe it could tell you where you are in the boundary of the unit.
140	Better notification of emergency closures along with information about the why. Also currdnt fish counts and targeted returns.
141	better organization of information, less confusing language
142	Better posting at the stream. Clearer off shore regs.
143	better public announcement of EO's
144	better regulat subsistance fishing for halibut! This fishery is making the halibut fishing very poor in some of the inland passage areas around Wrangell and princeof whales island.
145	Better regulate the commercial industry (guides and netters) so there are fish for the sport fishermen to catch.
146	Better signage at fishing areas
147	Better signage at the fishing spot.
148	Better signage on the Kenai river. CLEAR regulations
149	Better understanding of how fish counts for Dipnetting are done and what ADFG is going to do to improve tracking, like more sensors at various points vs generic indicators 7 days later from mouth of the river.
150	better ways to differentiate between coho and chinook.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
151	Better weather off Sitka :)
152	Better website and an app
153	Better written regulations for fishing at the remote salmon hatcheries. (It sounds like people can fish inside the barrier Seine as long as there not in a vessel. So they can fish from shore or a raft. This loop hole takes away from the brood stock that the hatchery is trying to collect.) It's hard to estimate how many shrimp you have in gallons. Also the shrimp very in size. It would be much more accurate to send in the number of shrimp caught. I count all of my shrimp anyways and would love to give you better info.
154	Break the fishing regulations down by where folks refer to fishing....for example Upper Kenai, Middle River, Lower River....particularly in those areas with the greatest density of anglers and visiting anglers.
155	Break up commercial fishing vessels near river entry points.
156	bring Alaska closer to annapolis
157	bring me some fish, then I don't have to go fishing
158	Brochures at harbor docks sites might be neat, especially for visitors. Local fish varieties, harvest seasons, and regulations for example.
159	Build a smartphone app to provide clear, concise information as you have mentioned in the survey
160	Build and support more hatcheries.
161	Build more hatcheries
162	Buy license for a 7 day period.
163	Buy me a brand new North River 26 foot
164	Buying licenses through the app or online, and keeping a digital copy. Send texts for emergency closings.
165	by posting signs at all docks. signs that state any changes to fishing regs,
166	By zone list open dates, species, catch quote. Outfitters remain vague in some instances because I booked as wasn't told the lawful fishing species open at that time in that zone, so wasn't able to fish on particular day
167	Can't think of anything
168	Can't think of anything
169	Can they give me more time to go fishing?
170	Can't think of anything as we found all info we needed.
171	Cannot think of anything
172	CATCH AND RELEASE REGULATIONS WEEKLY FISH COUNTS IN AREAS

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
173	Charge out of area dip netter a fee to help pay for the mess and destruction they cause EVERY year. Eliminate snag rules in heavily fished areas, a fished landed, regardless of hook, goes against bag limit. Tied of habitat and returning spawners being destroyed by people foul catching 20 fish a day. Get in, get fish, get out.
174	Cheaper flights to Alaska!
175	Circulate through areas around the state, year over year and close that area to all fishing allowing stocks to return.
176	Clarify and simplify the regulations. Provide pictures to help ID fish. Avoid brackets whenever possible so we don't so often have to handle fish and then release them.
177	Clarify equipment allowed for each species...type of hook, live bait
178	Clarify fishing rules and have someone available every day of the week to answer phone calls regarding fishing information/regulations
179	Clarify regulations for river fishing that are specific to region.
180	Clarify regulations on the Kenai River. Educate the Board to simplify language used in management plans.
181	Clarify the federal regs on halibut in satwater regions. I know they are federal, but it would sure help if they were in one place.
182	Clarify the fishing regs for each area or river.
183	Clarify/make the regulations easier to read and understand. Some areas are easy to understand while others have so many different rules that you feel like needing a lawyer to understand them.
184	Clarifying language and how to determine which region you are in and division borders.
185	Clarifying limits for specific species by area would help. Emergency orders aren't always accessible
186	clarity about what kind of license is needed for different activities
187	Clarity and brevity. Eliminate ALL passive language.
188	Clarity and clear markers
189	Clarity and no ability of regulations
190	Clarity of some of the fishing regulations.
191	Clean up regulation language to make easier to understand
192	Clear and concise info
193	Clear and simple to understand regulations
194	Clear concise language. Keep it simple stupid.
195	Clear concise regulations and emergency orders

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
196	Clear concise regulations organized by body of water.
197	clear consistent regs across districts, locations, and years
198	Clear description of fishing areas and boundaries. Regulations associated with that areas,
199	Clear language on hook restrictions.
200	Clear license limits and regulations in real-time for smart phones; allow smart phones for licenses and logging of fish
201	clear location of where fish are
202	Clear regulations and harvest limits
203	clear rules and regulations
204	Clear up boundary lines
205	Clear, informative regulations. Something that would be easy would be an annual bullet point review on species (open season, harvest limits, etc). I'm a young female so I usually turn to my husband or father for help with regs (both hunting and fishing). However if ADFG emailed annual/quarterly/monthly bullet point reports on certain species or locations, where people could 'subscribe' to certain species/locations. The same could be done for your app. If people could 'favorite' their species/location within the app, that would be awesome. Like for myself, I halibut fish every summer and I occasionally will salmon fish from the bank or dipnet so I am only interested in the species I fish. Thanks for taking the time to do this survey!
206	Clearer black & white or color images of fish to identify species for complying with regs
207	Clearer descriptions of the regulations for a particular area, zone or region
208	clearer pictures distinguishing coho & chinook salmon
209	Clearer regulations especially when specific areas have unique regulations (single barbless hooks on a particular stretch of the Kenai river, unique issues inside the Behm Canal, etc.
210	clearer way to understand specific restrictions such as on a particular river drainage or during specific weeks
211	Clearly *visually* define easy to understand areas of bait/no bait and single/multi hook areas of rivers on a map would be great. Pictures or videos of reg equipment expectations would help.
212	clearly define boundaries. visitors typically don't know river mile markers.
213	Clearly mark the fishing boundaries of fishing areas. For example you describe Warren Ames Bridge, however at Ship Creek and others describe where it is and if there was a physical marker that couldn't be moved it would make it clearer.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
214	Clearly note all current regulations in the body of water in which I am fishing. Communicate EO's in a manner other than the ADFG website.
215	Clearly written regs.
216	Close catch and release.
217	close commercial fishing for sport fishing
218	Close down the commercial fisheries 2-4 days each week! They're destroying the fish runs!
219	Close down the east side set net fishing permanently
220	Close salmon fishing for 15 years. Have any of you geniuses noticed that there are no herring left in Alaska. They did it with mendenhaden on the east coast and are doing it with sardines in Mexico. Get a clue.
221	Color photos of shell fish with a clearer views of males and females
222	color print out of rock cod pelagic non pelagic species
223	Communicate emergency orders and openers directly to me through the use of technology. Also, promote or develop cost effective access to fishing locations without being extorted by privately owned accesses and government revenue generation policy, ie, Deshka Landing, Whittier boat launch and parking fees, Kenai beach access, Russian River Ferry, etc. It has become expensive to be an angler who fishes to eat, particularly with diminished fish runs and catch limits on chartered halibut trips, increased cost of licensure, etc. I buy fish often now, because I cant justify the time off work coupled with the expense of it all to go get them myself. Despite fishing my entire life in this state, I come home with less fish than ever these days, and the cost has become a barrier. Also, better define a legally hooked fish on the Kenai / Russian. Many 'successful' anglers are keeping snagged fish, and many others are injuring dozens of them and putting them back in the river, fishing for 10 hours, and still not getting a limit in a fishery that historically needs to have more fish taken? All amidst trying to not lose an eye because there are so many people there for so long trying to get their fish.
224	Communicate EO's more effectively
225	Communicate species of fish that are in season to catch
226	Communication in remote areas that do not have access to phones or email.
227	Communication with text.
228	Compared to other states our regs are a piece of cake!
229	Consistent limits from year to year
230	Consolidate species bag limits and season dates in one chart for each geographic area
231	Contact information for local areas to ask or get clarification on certain things

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
232	Continue to improve the ease of finding the correct information in the regulations.
233	Continue to make fishing regulations and information readily available on the internet
234	Continue to try to improve regulation format
235	Continue to utilize online postings
236	Continuously post regulations at all fishing spots.
237	control commercial fishing at the mouths of the river fish are being over fished i am zoologist seeing fewer fish in the rivers every year!!!!!!
238	Control the number of boats lodges use on rivers
239	Could out-of-staters access Alaska DF&G regulations online? I haven't tried, but I will try before my next trip.
240	Courses? Valid digital proof of license
241	Crack down on frequent violators.
242	Create a Digital Licence and that smart app you are asking me about.
243	create a fishing app for the region i want to fish
244	Create a good app for phone
245	Create an easy way to store a valid digital copy of my fishing license and I think an app is a great way.
246	Create an mobile application so that regulations, weather reports, tide charts, fishing reports, and emergency orders are more easily accessible. Restock ponds and lakes more often.
247	Create bullet point outline before reading paragraphs of regs.
248	Create different books for the different areas
249	Create several different variables for combo licenses.
250	Create the phone app!!!!
251	Create the smartphone app.
252	create user friendly app
253	Creating a phone app with great search features would be a huge help.
254	Creating a smartphone app would make life a lot easier to keep updated on fishing regulations.
255	Creating an app with updates of regulations as they change
256	Creating that smartphone app is a great idea
257	Creating the app talked about in this survey

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
258	Currently ADF&G do a great job. As a out of state fisherman there are several different areas to deal with that I'm was not familiar with , but I did lots of research prior to first fishing AK in 2009. I have had superb fishing thus far and attribute a lot of it how AK manages its natural resources.
259	Currently everything is working fine for me.
260	Currently in the Seward area there is no Halibut fishing on Wednesday. Up until last year they added Thursday as a no Halibut day. Then moved it to Tuesday as a no Halibut fishing day. Being trips are planned a year in advance, it would be nice to know sooner what days are no Halibut fishing days . Once a trip is booked and hotel reservations are made , they are hard to change .
261	Cut back on regulations
262	Cut commercial and charter boat catch rates
263	De regulate fishing guides
264	Decrease the number of regs
265	Define areas of brackish water as either fresh water or salt water.
266	Define the zones better
267	Defined commercial opening days during dip netting that doesn't change on the fly
268	Definitely have more information on the emergency changes. Sometimes when planning for a trip and order comes out while we are traveling and we do not know about it until a guide or local lets us know.
269	Demarcation of fishing boundaries
270	Describe or list Emergency orders better. I didn't even know about them until the first day we fished.
271	Designating markers on the rivers at the location of major fish ways.
272	Develop a smartphone app with the capabilities noted
273	Develop an ADF&G app for all operating systems, in addition to the the information that is available via website.
274	Develop smartphone app! Utilize digital licensing/ digital license.
275	Develop the app
276	Develop the App to consolidate information for current location.
277	Develop the app, make purchasing a license more accessible
278	Development of an app
279	did a great job and it was easy to purchase license with information relevant to fishing certain areas
280	Digital copies of license need to be acceptable to Troopers
281	Digital copy of hunting/fishing license

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
282	Digital copy of license.
283	digital library of our license
284	digital license. Paper ones always go through the laundry, or fall into the creek with me!
285	Digital licenses Digital and simplified annual surveys for effort- the paper mail outs seem expense and time consuming, I wonder what the response rate is for them. Regulate the use of toxic cures (sodium sulfate) for eggs/bait, or at least include the information in the regulations.
286	Digital liscence be valid
287	direct communication by text or email. Reduce days for commercial fisheries automatically so sport fishers know when and the day they will or will not be fishing. i.e they will not typically be out on Sunday and Monday aside from emergency openings. Also patrol dipnetting areas much better. There are so many violations and scary situations happening each year and it gets worse.
288	Disseminate information to out-of-state visiting fishermen as soon as parameters change, such as the shutting down of the king salmon run.
289	Dividing the information very locally. For example, not just saying a drainage area. Naming specific places, like Eklutna Tailrace, would be helpful. Also, being able to have your license in an electronic form is so much easier than buying, losing, then having to buy again your license.
290	Do a better job of controlling and publishing commercial openings. Not a good use of my vacation dollar to fly to Alaska to fish a river to find out that its mouth was just opened to commercial salmon netting. Lack of fish ruins a trip. Also, the current halibut regulations are not well thought out. Suggest limiting the take on the big hens rather than making people take little fish that are not of breeding age. Forcing the release of fish that are over 80 lbs or putting in a slot for breeders might be a more successful management plan.
291	Do a better job of simplifying the regs
292	Do away with hook size requirements. Quit letting commercial fishermen get their quota then close sport fishing by emergency order for sport fishing Alaska residents
293	do away with one king per day bag limit
294	Do away with the fish logbooks for sport guide They are more of a fiction report that a useful fishing report There is no way an out of state guide with 4 or more clients , all of whom know little or nothing about biology or even fish species, can fill out an accurate report

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
295	Do not sell licenses and king stamp when waters are closed for the time period. Expenses for license, travel, lodging, meals, arrive and told closed for Kings and that is the only salmon present. That is what our group came for. Reimbursement needed.
296	Documenting catch/reporting harvest electronically not just for sport fishing but dip netting in Kenai
297	Doing a good job as it is.
298	Doing a great job already
299	doing a great job so far
300	Don't allow MATSU Valley Meats to corner market or browbeat public. Very hostile business
301	don't allow over harvesting with regard to guides, to dip netters, or commercial fishermen. seems to really effect the sport fishing up river. might be better off making it a bit less commercial.
302	Don't change regulations often.
303	Don't know of any thing right off hand
304	Don't use lawyers or people who have never fished get involved in writing said regulations.
305	Don't let the com fleet choke the Kenai several days in a row during the peak sockeye season
306	Don't let the commercial boats run the show like last year on the Kenai River when the over fished the middle of July 2017
307	Don't let the commercial fishermen load up the regulation making committees with their people.
308	Don't use Facebook. Quit allowing commercial fishing/crabbing/shrimping in National Park waters. Better fish counting surveys...salmon populations have been dismal the last 3 years.
309	Dont allow non locals to fish during peak subsistence fishing seasons?
310	downloadable GPS data that show open and closed areas.
311	Drop the price of out of state licenses if you own real estate in Alaska
312	Drop the slot limit, (i.e. <38 inches and >80) for halibut in the glacier bay/icy straits area. It changes each year. I do not understand why if I can take one fish/day what difference does it make if I take 35 inch fish or a 45 inch fish!?
313	Dumb things down a bit. Lol
314	E-mail announcements
315	Ease of access to information. I believe an app would help put exponentially.
316	Easier access to EO's. Clearer geo information

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
317	Easier access to Licenses. Online for instance
318	easier emergency order locations including maps
319	Easier fishing regulation information.
320	Easier guidelines of where it us legal and where it isnt.
321	Easier method of keeping fishing license and recording catches possibly through the phone app, even if you are offline.
322	Easier regulation reading
323	Easier regulations understanding. Clearer explanations of regulations.
324	easier to decipher regulations
325	Easier to find federal halibut regulations.
326	Easier to find what game unit I'm looking at...I can't figure out which I'm in.
327	Easier to get license
328	Easier to read booklet. Examples of types of bait and hooks to use
329	Easier to read regs would be better. Fishing and also for hunting.
330	Easier to read regulations
331	Easier to read regulations. Ice fishing tips, locations and safety.
332	easier to read. You touched on it in your survey
333	Easier to read/understand fish species season charts would help a great deal.
334	easier to understand and well worded regulations.
335	Easier to understand refs, even if I had to put into computer the specific location to find out the information needed
336	Easier to understand regs for my region
337	Easier to understand regulations
338	Easier to understand the regulations
339	Easier ways for Alaska residents to actually get fish.
340	Easier ways to get current information
341	Easier yo understand the language!
342	Easily accessible regs in a smartphone app would be great.
343	Easy access info on how to fish for the particular fish.
344	Easy access to regulations
345	easy access to the regulations, emergency orders, types of fish in specific areas
346	Easy contact for regional regulations.
347	Easy list of does and donts for the region I'm in. A list of common violations could also help people avoid making mistakes.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
348	Easy look up of bag limits. Example, I am leaving to Yakutat this week. I will be fishing Kings in the Salt, and Sockeye in the River. Knowing the exact bag limit is not easy to find, somewhat camouflaged in the Emergency Orders. Example, last year we were trying to figure out if we could fish China Poot as a non-resident. Even after we called your office we were not sure.
349	Easy species identification online
350	Easy to get and store licenses and clear to understand regulations.
351	easy to understand regs and dates
352	Economic package deals or options for fishing trips to general areas and locations further in
353	Electronic fishing and hunting license
354	Electronic fishing licenses
355	Electronic licenses!
356	Electronic recording and tracking that accounts for catches and available catches. Maybe allow for a photo to accompany the catch record.
357	Eliminate dip netting
358	Eliminate requirement to print licenses bought online
359	eliminate size restrictions on halibut
360	Eliminate slot limits'
361	Eliminate so many regs on halibut, ling and yelloweye. I quit Alaska and now go to B.C.
362	email emergency orders as they are released
363	Email emergency orders for my area.
364	Email emergency orders.
365	email list for emergency orders
366	email new regulations
367	Emergency order info
368	Emergency order texts
369	Emergency orders need to be easy to find and read.
370	Emergency Orders via text
371	Employ people who are respectful and helpful
372	Encourage wildlife officials to answer questions instead of telling you to 'look it up.'
373	Enforce catch limits, especially with out of state poachers...fishermen. I stopped and talked to 2 fishermen from Georgia last year that told me they could take 12 coho a piece per day as visitors. When I questioned them they grabbed their fish and fled. I was unable to get a license plate.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
374	Enter a specific river and get detailed info on the river. Things like boundaries, fish count, times, limits, emergency orders. Lifetime fishing license or Digital Fishing Licence
375	EOs should not be so difficult to interpret and creel staff should be just as knowledgeable as biologists about them. Unfortunately that is not always the case and I've received conflicting information, particularly about the recent liberalization of Juneau kings.
376	Establish and strictly enforce more catch and release fisheries
377	Establish hatchery's similar to Kotoi for anchor, Ninilchik, deep creek, Kasilof, Kenai, moose— too large a quota for commercial boys, too many netted by natives, too many caught by sport fisherman, and rainbows eating salmon eggs - henceforth allow X number of rainbows to be caught/ kept
378	Everything seems to work great for the way we fish . Maybe a hot line to report ???
379	Examples of acceptable gear for species/area.
380	Excellent so far. King fishing is all screwed up, Halibut, Herring, all screwed up. OVERFISHING BY THE CHARTERS. Bycatch should be saved and donated to the needy or processed seperate from commercial harvest.
381	Expand search words when searching ADFG regs
382	Expand subsistence fishing areas. I live right on the water, but have to drive to sub fishing area to harvest fish.
383	explain size regulations clearly and variations between indigenous fishers, residents, subsistence fishers and the why they get different rules
384	Explain the differences of access to salmon between commercial and sport in a more understandable language
385	Explain the pelagic/non pelagic regs better. Specify exactly which groundfish and how many per day we can keep as visitors
386	Explaining different types of hooks that we can or can't use
387	Explicit information about out of state fishing license
388	Facebook page and app to do things mentioned in this survey.
389	Fair and equal restrictions between sport fish and commercial operations. One such issue is rockfish.
390	Faster to access/More ways to look up information. More alerts.
391	FB updates on closures
392	Feed News Outlets information on Emergency Orders. Consistently reiterate over Radio / TV

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
393	Fewer special regulations for particular bodies of water. Tough to keep track and find them all. More consistent regulations among regions. We fished in two different regions in a day and were confused about what regulations applied where.
394	Figure some equitable way to divide up the beaches where set nets are allowed.... set time limits to those spots... rid the area of the 'peninsula rules' that make the experience horrible at times..... If not that, then MORE ADFG officials monitoring the beaches and solving disputes.
395	find a way to lower the non-resident fee.
396	Finding the exact regulations for the river/area I'm fishing (ie, methods and means, allowed hook types, season....)
397	First, don't dumb down the regulations to the lowest common denominator, such that they lose all meaning and context. (i.e. the prior example of open fishing dates had different meanings regarding King salmon). Second, please provide some rudimentary training to Troopers and commissioned ADF&G employees. It is nearly unfathomable how many misunderstand the regulations, or are unable to discern species, lawful methods and means, etc.
398	Fish and game does a pretty good job covering the regs and what is required of anglers in Alaska
399	Fish cleaning stations. Signs with specific regulations and bag limits near popular fishing locations. Enforcement of current regulations to prevent abuse or waste.
400	Fish counts and run information is spotty for some remote areas.
401	fishing Alaska is easy now.
402	Fishing forecast for particular areas.
403	Fishing has become very expensive, sometimes you only get 1-2 days and the limits per day suck. If one day you catch NOTHING and the next day you catch 2 or 3. I think limits should be weekly if only a 3-5 day permit. Not applicable to yearly permits
404	Fishing licence fees more resonable
405	Fishing lodge takes care of everything
406	Fishing regulations are not as bad as the hunting regulations but simplicity is the best course.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
407	Fishing regulations need to be broken down and simplified better. Giving examples next to some regulations and limiting the length of sentences might help clear up some confusion. There is a ton of info to take in, and it's a pain to have to keep flipping to different pages to look up something related to one particular rule, like guided halibut limits. Just put that info by the rule. And I know it'd probably not be cost effective, but perhaps if there were separate regulation books for each region, instead of everything in one book?
408	Fishing success counts for areas.
409	Fix the EO mess- the web page is fine, you really have to know what you're looking for to figure out which EO superseded which. Easy to make a mistake.
410	Focus on equity of access between commercial and sport fishing.
411	Focus on making the regs. as simple as possible.
412	Follow through with the development of the APP and follow through with the suggestions made in this survey.
413	for me nothing. i like having the work for the reward
414	For out-of-state visitors, it is often difficult to dial in on geographical details - 'from the ADF&G marker at bridge X to the convergence of Y creek'. I may not know either location.
415	For those who don't live in AK, but who come up to fish two or more times a year offer a license that includes is more flexible and not as expensive.
416	Forget emergency regs. Set season period! 2017 we were fishing near Skwentna Clearcreek full of Kings emergency regs. Ruined trip!
417	Get a system that would text emergency orders
418	Get an app for sport fishing
419	Get rangers on the water early in the morning to enforce the light law.
420	get reg. easier for resorts
421	Get rid of commercial fishing
422	Get rid of dipnetting?
423	Get rid of self guide boats or change their catch limit
424	Get rid of some of the silly, nitpicky rules for catching sockeye with a fishing rod. Should be able to keep the fish no matter where you hook it. The quicker someone catches their limit, the sooner their spot can be occupied by someone waiting on shore so that they can catch their limit. Sometimes you can fish ALL DAY, and still not catch a limit, because so many 'foul' hooks have to be released.
425	getting new regulations out to everyone as soon as possible using all avenues of technology

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
426	Gift Packages: every month or week for a group of 2-4 people to remote areas to fish and or reduced/free pass for fishing Charter to catch for a day or two =)
427	give fishing regs a good easy to look up index for fish species and geographic area
428	Give out Halibut fishing regulations earlier, so we can make a decision earlier whether or not it is economically feasible to plan for Halibut fishing.
429	Give priority to personal use/subsistence and sport fishing over commercial fishing
430	Give real time data on changing regulations
431	Give sport fishermen the same importance as they do commercial fishermen. They bring in a lot of money to your state.
432	Give us links to the necessary permits from the Tribal land holders.
433	give us more than 4 shrimp pots
434	Given that one has a smart phone and is allowing to have its location, then one can use their smartphone to get accurate and timely info on regulations.
435	Given the size of the state and scope of species that need to be managed, I think ADFG does a great job keeping things as clear as possible, but maybe some sort of index to make searching for particular instructions faster would help.
436	go back to no size limit on Halibut and put a stop to commercial fishing at the mouth of the rivers
437	Go back to smaller licenses that are more wallet friendly.
438	Go forward with the plans you are currently making. Thanks for seeking input from your end users.
439	great idea about the app
440	Hand deliver emergency orders
441	Have a app you can go to
442	Have a better reashonal of why closers happen for sports fishing vs comercial.
443	Have a higher limit on halibut as the commercial fisherman get an unfair allotment
444	Have a list of what you CAN do while visiting
445	Have a military discount for out-of-state military members coming to enjoy the Alaska experience.
446	Have a page with lakes that have special regulations easier to find.
447	have a phone number or website to go to with the fishery or region and have all regs/emergency orders for that region in one place

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
448	Have a section on website to input the following: River, dates, species, resident/non resident and output would be what to buy with link to buy online.
449	have all the regulations for each area in the same page so you don't have to flip pages
450	Have an app that can access our location to better allow users to know what is near them and any regs and emergency orders that may be in effect for their current location.
451	Have an app to purchase licenses
452	Have an easier way to find out if a place is open to fishing, kind of gear/bait allowed, and harvest limits allowed which sounds like the app would do the trick.
453	Have booklets available at more locations for a longer period
454	Have clearer boundaries and regulations for species and seasons
455	Have less regulations.
456	Have more law enforcement officers in stopping the idiots that don't follow the regs. and laws. Increase fines and penalties to make people think twice about breaking the law
457	Have outdoorsman write the book, not lawyers. That way it's easier to understand.
458	have outfitters issue licenses
459	Have regulation be consistent. Differ greatly from non res to res and from sub region to other. IE ling cod. Regs for kings change not only by emergency order but by time of year. Daily king stamps good for 24 hrs but regs by calendar day. Shrimp regs state non res can have 3 qts day whole or deheaded?
460	have regulations on Halibut a lot easier to understand rather than sending you to another regulation or site to look for it.
461	Have some sort of service to actively notify interested people of regulation changes/season-specific regulations. It would also be useful to get notifications for changes to one specific area's regulations.
462	have something for out of state guest to read and understand better, and maybe add a 'fast' table of contents 'graph' for the book/online/app with open and closed dates for each major types of fish in the region.
463	Have their regs match up with what the feds say for boating restrictions in kenai river.
464	Have them readily available.
465	have to know exactly where I am. Not always easy to know.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
466	Have visitor fish on week days only so the working Alaskan can fish on the weekend. Not for me but for the working class
467	Having a booklet available upon purchasing the necessary fishing licenses.
468	Having a phone app with digital license
469	Having a website for a region that has complete updated regulations that include emergency orders, etc. Basically right now here is what is legal in this region for these species without having to piece it together from 2-3 different sources
470	Having an app on your cell phone with the suggestions listed above would make fishing easier.
471	Having an interactive app. Better communication on emergency orders
472	Having easy access to regulations is always beneficial. So many people use smartphones that an app may be extremely helpful .
473	Having specific areas and dates with specific fish in season, bag limits, and any size or gender restrictions.
474	Help a dad take his kids fishing and sharing family values by allowing more sport caught species and less commercial. (i.e. Kings)
475	Help fund the local guides so they are less expensive
476	Help identify specific species
477	Help regulate over fishing and illegal fishing by commercial fisherman-
478	Help state realize that sport fisherman are just as important as commercial fishing! We probably bring in more revenue to our state!
479	help us know of changes in daily limits of sockeyes
480	Highlight changes from previous year(s)
481	Highlight fly fishing only or catch and release only areas
482	Hold a seminar at local sporting good store to help people (new comers) understand them better.
483	Honestly, I do not think much could be done to make things easier. An app would certainly add some level of convenience, and if it could be set up as a 1-stop shop I'm sure that it would be beneficial to the general populace.
484	Honestly, nothing. I think they regulations are good. Perhaps publishing fish stocking dates versus having to search for them... Such as a localized email distribution.
485	Hotspots at locations to have quick access updates to area where one is fishing.
486	How many hooks today or tonight or Monday or Tuesday or wed. Or thurs. or fri. Or sat. Or sun.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
487	How to guide for women or newbies or kids? Something to help people who don't know how to fish get started.
488	How to videos different species
489	How to videos would be a great idea for people who are inexperienced with fishing in the different areas
490	i'd come to alaska to fish more if i could keep more halibut. it'll be a once-per-ten-year trip until i can keep 3 halibut per day. then, it'll be an every other year trip.
491	I'm a hunting guide in AK. The sport fishing log book is a major pain. Especially when the little bit of fishing we do is incidental to hunting. I prefer the booklet in the bush cuz out there long term we don't get updates.
492	I'm scared.to fish where the hook has to be mouth like Russian River. Often hook is borderline and fish looks like a pincushion with lures and damage on body. I always think the guy on the hill with glasses.will say one of the wounds/lures are.mine and I get hit with fine. I just want to fish/let son fish...not spend all brain bytes on the legal interpretation of the fish on the line.
493	I'm usually confused about sport fishing, personal use, and subsistence differences
494	I've not had any issues it's easy enough
495	I've only fished once in Alaska. It was very easy with a guide and I got my license online.
496	I am a fly fisherman, 99% catch and release! The state usually restricts rivers/sport fisheries for recovery attempts when I believe the culprit is commercial fishing.
497	I am a handicapped person. If there is transportation for people from the cruise who likes to catch and release offer a shuttle to a close by spot to fish.
498	I am a non resident user but live in AK agreat deal of the time each year. I am over 65. I would love to be grandfathered in to a special catagory.... over 10 years of licenses, light use, senior

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
499	I am from Alaska have friends and family up there, some are commercial fisherman and my Mother is retired from ADF&G. Without exception everyone agrees on two things: 1.) the regulations are too complex and, 2.) the escapement numbers affecting availability to sport are too small. We have a running joke that ADF&G regs are more complex than the US Tax Code!!! In my opinion the regs must be simplified and stop allowing commercial fishers to block entire drainages for extended periods of time. One idea we came up with was where commercial and sport fishers alternate days of the week in certain drainages so for example Tue-Thu is commercial only and Fri-Sun is sport only with Monday being closed to all fishing in that drainage or stream. At minimum you guys need to stop allowing commercial to gill net so close to the mouth of streams where they harvest nearly 100% of all salmon that day.
500	I am incredibly confused about fishing zones/areas where all kinds of different rules and limits apply. It is really complicated to a new fisher. I need some kind of Fishing in Alaska 101.
501	I am new to Alaska sport-fishing and ADF&G. Too new to make suggestions at this time.
502	I am usually only confused by the regulations for lakes. The other info is clear.
503	I believe most people are trying to do the right thing, and by making the regulation easier to read and understand will certainly help. I usually fish with friends that no and understand the regulations. So instead of me spending time shifting through the vast amount of information. My friends explain the limits/areas/and specie closers. I will same, when they explain some of the regulation I question how someone from another state would understand certain location are closed for certain fish, yet open just around the corner. I'm just glad if fish with friends.
504	I believe the process of getting a license and keeping up on regulations along the way is fairly easy.
505	I came to Alaska to visit my son each year. I find the license for a day of fishing very expensive...it's prohibitive for me to just relax in Alaska's beautiful nature with my son. There should be a cheaper alternative for one-day fishing visitors like me. Thanks.
506	I can't think of anything
507	I check the website for any information that I am looking for
508	I choose the area, species and date and the app tells me the regs for the info I put in.
509	I could really use a boat.
510	I do believe there is a lot of bouncing back and forth in the booklet to check general regs and then specific regs. I agree with a summary in each section.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
511	I do find the ADF&G website to be kind of clunky and have a difficult time finding what I'm looking for.
512	I do not always have Clear understanding of current rules that apply to the week I'm there. I have not watched the daily news so I rely on the local people to help me interpret the current situation.
513	I do not know.I always use a guide and get regulations from that person.
514	I don't find it difficult to go sport fishing, but I am married to an ADF&G employee (not sport fishing), so that makes it much easier
515	I don't have an issue with the regs as they are presented now. The smart phone app would be great. I don't use facebook so couldn't care less.
516	I don't know. The lingcod and halibut size regulations get a bit confusing. If they were printed on a plastic card that we could bring on a boat that would be helpful. In general though, you are all doing a good job.
517	I don't like that I have to flip through the book to multiple areas.
518	I don t fish enough in Alaska to know what your dept. is doing well.
519	I don't fish very often but like to. I guess it would be nice to know regulations for fishing.
520	I don't know exactly how it could be accomplished, but the regs on the Kenai are very hard to understand, so much so that I avoid fishing that river entirely. If they were easier to read, I would feel more comfortable fishing there, without always feeling like I'm one cast away from getting a ticket.
521	i dont sportfish.food only
522	I feel it was very easy to follow compared to Washington regulations.
523	I feel like I need an attorney to understand and decipher the regulations between region, species, and open/closed seasons, very confusing. One time I was fishing and a park warden showed up and talked with me for two hours while I fished, he then left only to return an hour later after talking to his boss who informed him that we were fishing a closed section of river....we were asked to let our dead salmon float away and quit fishing.... so obviously we weren't the only ones confused!
524	I find the 'wordage' hard to interpret at times, when going through the regulations. Also....could maps be updated with increased quality of maps that are available?
525	I found all the information I need before I traveled to Alaska found getting the license easy
526	I found the regulations complex (can fish to this bridge but not beyond...). As an out-of-stater, I was worried I would do something wrong so, for our last trip, I went only with guides who I relied on to know the regulations.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
527	I found the rules and regulations easy to understand from the web site
528	I go on group charter plans like Anchor point lodge. They do all the work for us. Your web site is very good.
529	I go out open water and love it
530	I got a book when I bought license. That was good for me
531	I had no trouble, some confusion about the King Salmon permit if catch and release was used.
532	I hate reading rags that tell me I can only fish on the north, (south) side if a drainage. With bends in a drainage I am always worried I may be in violation
533	i have a resident property but pay nonresident fees. maybe get some sort of break in cost for license if hou have property there paying taxes.
534	I have fished Alaska for many years and now understand the regs. The learning curve was steep though. It took several years before understanding them.
535	I have never purchased a king salmon permit because I feel the regulations are too complicated and I don't want to get into trouble with ADFG on my fishing vacation.
536	I have no issues with the regulations, it's the other fisherman that do not follow ADF&G regulations. It would be good to have a 'report illegal activities' app feature that you could submit pictures of this activities, along with a description or drop-down feature to submit a report.
537	I like the app idea a lot!
538	I like the app idea!
539	I like the app idea. I find your website to be too busy. There's a million links. I sometimes give up before I found what I was looking for...However, that is more typically associated with the hunting side.
540	I like the electronic license idea.....or if your phone is lost having a fish and game rep. be able to access proof of your license by using your Driver License or SS Number
541	I like the idea for an app. That would help a lot.
542	I like the idea of a smart phone app
543	I like the idea of a smartphone app.
544	I like the idea of an app and Faceboook
545	i like the idea of an app that displays regs by geography and show pictures ang guides on how to identify fish
546	I like the idea of an smartphone app
547	I like the idea of live facebook interaction with biologists and professionals who can teach about fish..more of the science of what's happening out there.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
548	I like the ideas that this survey seems to be exploring. Digital smartphone access to regs, licenses, and info is really helpful.
549	I like the phoe app idea
550	I like the way they are seperated by area
551	I like to fish for coho salmon on a one week vacation with friends. Limit of 2 fish per day is too few for visiting sport fishermen that bring vacationers to Alaska. Sport fishing is not going to put the coho fishery at risk. Cut commercial fishing if fishery is at risk.
552	I live in Oregon, it's pretty complicated here: i'm used to the AK level of complexity. Seems fine.
553	I live too far away to help you
554	I love a good smartphone app. Especially for displaying my license.
555	I love Alaska. Easy enough to work with you.
556	I love fishing in Alaska - keep the waters clean.
557	I mainly fish the Kenai and the fish counts are upstream from the mouth which makes it difficult to judge when is a good time to fish. More accurate mouth counts would be nice or counts closer to the mouth. Allow people at the mouth to fish a bit longer prior to allowing commercial boats to go out.
558	I mainly use the booklets for regulations, and they get kind of confusing with wording. However, we already went over that.
559	I need a laminated license. I'm in the water, my paper copy gets wet, even in a plastic container.
560	I only fish for coho in Yakutat in Sept I rarely have an issue with you
561	I rarely use social media but an offline app for regulations would be very useful
562	i really haven't had any problems. Presently, the info can found, and if not, the Lodges have the info needed (if they aren't fibbing)
563	I really like the idea of an app.
564	I rely on my outfitter.
565	I think all the regulations for a specific fishing area by species in one section of the regs would be most helpful
566	I think an AP is a great idea to relay information more easily and geographically, and by species
567	I think an app is very helpful. I also think location-specific pamphlets (if they aren't already out there) that are easily accessible are also helpful. Perhaps a printable version online?

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
568	I think having all of the information for the area one is concerned about is important. It is difficult to ensure I've read every regulation. For example: motor use restrictions, bank restrictions, gear restrictions, etc. seem scattered in the regulations as opposed to have them together with the season dates and species limits. This was difficult to get a handle on the first few years fishing in the state.
569	I think it's pretty straight forward for fishing saltwater
570	I think more detail is needed on certain regulations. For instance, when I fished for Kokanee I remember some confusion over what was a legal catch, did the hook have to be in the mouth, or just in front of the gills.
571	I think the app idea covers it all.
572	I think the app is a great idea. Not everyone carries the regulations with them or memorizes it.
573	I think the app is a great idea... but don't spend too much money on it! The system works pretty well right now so the money could probably be better spent elsewhere.
574	I think the halibut limit for fishermen paying at a lodge and fishing for halibut with a guide is ridiculous , when unguided can keep 2 fish any size in Southeast section. Just because we don't have the boat skills to run our own boat or may be too old to run it safely I don't think we should be discriminated. I will not be coming back to Alaska to fish and feel bad for the lodge and guides that rely on my business. They will be looking \$ 20,000 from myself alone. I will focus on fishing with more of my local guides and I know they will appreciate it.
575	I think the smartphone app would be great!!
576	I think they are doing a good job of letting me know of Emergency orders and changes in regs, so far its good.
577	I think they are doing a great job.
578	I think writing the regulations in clearer language would really help. I work for the state and understand why regs are written the way they are at times but I think that when you have this quantity of the public interacting with the regs they need to be in the clearest language possible.
579	I think you do a great job
580	I think you do a great job. An app would be awesome.
581	I think you have a good balance of regulations and helpful information. Remember part of the fun is figuring stuff out for yourself.
582	I think your system works well, Washington's are crazy!
583	I thought everything was fine,
584	I thought everything was pretty intuitive so no easy suggestions

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
585	I use a guide, so the sooner I know what the limit is by species and what the season will be can help me better plan dates.
586	I was fishing with a resident Alaskan who is a professional fish biologist like myself and he got confused by the regulations for us to transport our fish from an island back to mainland. Just too complicated when even a professional has to call the ADGF to figure out what we can and can't do.
587	I was only a tourist when I obtained my license, so I guess implementing more tourist-friendly information
588	I went dip-netting for the first time last year and found it a bit difficult to find those regulations vs the general salmon fishing ones
589	I would be very interested in an app that had all of the regulations on it that was capable of looking up regs by your current location or by locations searched for. It would need to be cached and not data reliant.
590	I would like ADF&G to offer a lifetime resident fishing and hunting licenses for purchase.
591	I would like all permits and licenses to be valid via electronic copies. I also wish harvest records could be submitted online.
592	I would like it to be a requirement that upon purchase of a license, a paper booklet is given to the licensee. I've seen various locations offer licenses but not always have booklets available. Not every person has immediate access to internet or computers. Booklets are a necessity.
593	I would like the same regulations for sportfishing and residents.
594	I would only ask to keep any new regulations or emergency orders as well known as possible. More communication on Regs is never a bad thing
595	I would say fishing is already pretty straightforward for me but I've also been fishing pretty much the same areas for quite a while with my whole family.
596	I would say they are doing a great job and it's easy enough for me to find and catch fish.
597	I'm good, but love the app idea.
598	I'm not sure the over/under size limits for halibut are such a good idea. It seems like a lot of fish have to be thrown back to get whichever one you are lacking, which would seem to compromise the fish and survival rates.
599	id take a new boat however I realize that's not very economical.
600	Identify areas that have updated regulations
601	Idk it's a nightmare
602	If ADF&G made an app with the info which was described, it would be helpful.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
603	If designing an app, make normal regs available offline (e.g. in the updates). Improve the signage near fishing locations to include regs. Make EO's prominent on the ADFG home page.
604	If I could track all the licenses for our family that would be helpful. However, my kids are 18 and 20 and I don't know if that is possible as they are legal adults.
605	If more of the regulations were broken down to the area's your going to fish and make it easier to know what fish limits are in that area .
606	If possible, seek more consistency in offshore harvest limits for guided and unguided trips
607	If possible, Warnings about aggressive bears in a particular area would be great.
608	If the sport fishery has to close or be reduced in a particular area, then I think it should close to all fishing.
609	If there is workshops on types of lures to use.
610	If you are closing fishing to no bait only, just close the river. It makes things simpler
611	I currently do not have any issues. User friendly as far as I am concerned.
612	Implement regulations that reduce the prevalence of guided sport fishing.
613	Implement slot limits in Southeast for halibut, our stocks are getting greatly reduced.
614	Implement the changes I marked earlier in the survey
615	Impossible to access regulations with ease. They are convoluted, verbose, stupidly presented in bureaucratese. Tell us what the regs are in each district with regard to catch regs per species up front.
616	Improve access and clarity of regulations. An app might be very useful.
617	improve sonar to count salmon by type better
618	Improving the charts to show open and closed etc
619	Include a glossary and how to videos. Legally catching sockeye in the river is a perplexing task.
620	Include all the regulations for specific regions in one section of the fishing regulation books.
621	Include Halibut Fishing Regulations with State Fishing Regulations
622	Include halibut regs even though it's federally controlled
623	Incorporate the points I made earlier.
624	Increase fish stocks in the regions previously mentioned.
625	Increase guided halibut limits and eliminate the slots.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
626	Increase guided halibut limits back to 2 fish per day in all areas.
627	Increase possession limits so I can bring more fish home.
628	Increase the fish population.
629	Increase the limit on halibut
630	increase the minimum escapement count
631	increase the penalty's for over fishing
632	Increase the recreational fish catch
633	Increasing the limits for sport fishing would help when Alaska looks at revenue per pound of fish that the state receives sport fishermen bring in many times the revenue per pound of fish compared to commercial fishermen.
634	Info on migratory fish timelines, calendars on when fishing is typically good etc
635	Info on new Halibut closed day, etc. communication VERY early. We are booking airline 11 months in advance. We have had to change flights; very expensive!
636	Informarion relstive to numbers of fish per region; health of fishery.
637	Information about when commercial fishing boats are allowed to fish.
638	Information easily accessible
639	Information generally provided by lodge owner regarding Naknek River area
640	Instead of listing 'All Bristol Bay tributaries,' name the rivers as well, at least for the larger ones.
641	Internet site to look up regulations
642	Invite me to a nice luncheon, and explain things... lol... kinda lol
643	Issue regulations early. Hard to select an outfitter when the regulations haven't been released.
644	it's all about the numbers. The lodges are on the river for money. They will always push the window on regs., if not violate them. Spend the majority of your resources and your time that the lodge's meet the reg's. They gut fish for eggs to sell them in lower 48, Killing small kings and taking their eggs, for larger fish. Check their freezers
645	It's difficult to plan a trip that's thousands of miles and somewhat costly knowing that the bag limits might change, if you could reduce the number of changes it would be easier to plan a trip.
646	It's disappointing when fish limits are changed just before you leave for a fishing trip. Makes me think twice before going again.
647	It's okay with me and a guide/.
648	It's pretty easy for me right now!!
649	It could be easier to maneuver through the site

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
650	It is common to see creel limits for stocked fish. When species are removed from the stocking plan are they still considered a stocked species? There is no formal definition of stocked species.
651	It is not always possible to get internet where I'm fishing so having a paper copy with the info I need is important.
652	It seems that everything is going to emergency orders, it would be nice to have consistent rules. I bought a king stamp for the first time in years, and now King fishing is restricted or cancelled everywhere.
653	It was easy for us. I can't think of anything.
654	It was simple since we went with a captain and we did license early. Halibut regulation was ahrf to understand on my own
655	It works fine for me
656	It would be nice if there was a section that listed 'opportunities for non residents' beyond the basic sport fish of halibut, salmon, and Ling Cod. For example clams, shrimp, crabs, black cod, that may be available in certain areas that a non resident may not know of but may increase their enjoyment of the state and its resources
657	It's pretty easy now.
658	I've been fishing here for almost a decade so I've gotten used to the complexity of the regulations. The wording of the regulations can be confusing at times.
659	Just a way to know the harvest amounts and regulations.
660	Just be clear about seasons by locale and regs.
661	Just dumb it down as much as possible so it's easier to understand and use. No one wants their expensive gear confiscated by the AK Troopers
662	Just for me. Regulations dismissed permit.
663	Just found out kinda da under 14 need a card, still not sure how to go about acquiring one
664	Just increase regulation on commercial
665	Just keep it simple.
666	Just make information easier to understand and find
667	just make it as easy as possible to understand
668	Just make it easier to know where you're at and what you can fish for Clear and concise. Sign boards are helpful. I'm never really sure looking at the microscopic maps in the guide where we are when we fish local.
669	Just make regulations easier to understand. When I first moved to Alaska everything was so confusing and there were so many rules and regulations to follow. We've lived in Alaska for 5 years now and I feel I still don't have a good grasp on it all.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
670	Just make regulations fool proof so know one has any excuse when they do something against the regulations. Also, easier ways to be notified about emergency commercial opens.
671	Just make sure the technology supports the areas fishing
672	Just make the information clear
673	Just make the information easily available and current.
674	Just making it easier to understand certain areas and closers
675	Just simplify regulations, limit King Salmon harvest as much as possible to avoid what has happened on many good king salmon rivers. Make King Salmon fishing catch and release for anything over a 'Jack' salmon size.
676	Just simplify the whole thing
677	Just the basic regulations and dates
678	Just try to keep out of state licences affordable for the working class. This could mean making the rules strict/conservative as more people are harvesting.
679	keep catch limit low on kings
680	Keep Commercial Fishing away from Mouth of river during Sport Fishing Season !!
681	Keep doing what you do.
682	Keep doing what you have been doing.
683	Keep information for a region and species in one place.
684	Keep it simple and local
685	keep it simple, opening date and time, photos of the bait or tackle that can be used, bag limits, let me know what I can't do as simple as you can make it so I don't have to interpret the intent of the reg.
686	Keep making the booklet available, keep pictures & key descriptions of the species, maybe re-organize by regions.
687	Keep my license on my phone
688	Keep our fishing resources at healthy populations
689	Keep regulation wording easy to understand.
690	Keep regulations simple. Focus more on sport fishing and less on commercial fishing. Place more limits on commercial fishing and less on sport fishing.
691	Keep Rivers in the Local area for locals.
692	Keep sport fishing open on all rivers, all days and all species. LOL
693	Keep the booklet simple to read and understand. I can never understand the Halibut regulations about 'cutting the halibut into 4 segments' Maybe explain why this is necessary?
694	Keep the commercial fishermen out of the rivers and bays.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
695	Keep the web site up to date. I don't have cell service where I go so internet is the best.
696	Keep them as consistent as possible.
697	Keep u the good work you do.
698	Keep up the good work.
699	Keep up the proactive communication
700	keep upthegoodworkmo
701	Keep your information to populate when getting a new license online.
702	Keep your website up to date.
703	Keep, keeping it simple for us non residents to understand.
704	Keeping fishermen informed of the different regulations through the different social networks weekly
705	Keeping the angler informed will reduce infractions and improve experiences.
706	Kids under 12 should have cheaper licenses.
707	Kill the Pebble Mine
708	Less Commercial and more sport fishing
709	Less complicated regulations
710	Less is more. Direct, clear facts and information in a timely manner
711	Less regulation on sports fishermen More on commercial
712	Less regulations over all. Simpler, please.
713	Less restrictive. Pictures of legal tackle or rigs. Pictures of illegal rigs.
714	less rules in remote areas
715	Less weekend only fisheries
716	Less Words. Be More Concise.
717	Lessen prices of licenses
718	Let me head fish on my boat rather than dragging them back to dock whole. I can't fit big fish in even a big cooler sometimes, don't have a fish locker in deck.
719	Let me know bag limits for different species
720	Let me use the email copy of my license as a valid copy with a digital signature... I can buy a house with a digital signature but still have to print my fishing license...
721	let people know what fish are being caught or what is in season.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
722	Let sport fisherman know more easily about commercial openings and schedules. Let's face it the escapement goal science is pro commercial crap. I bet if you compared data to incorporation of escapement goals it correlates to the reduction in king salmon sizes. Not as many fish spawning means less food for juvenile salmon and other fish species. Less food means fewer nutrients. I remember fish cleaning station on Deshka always had schools of fry feeding on carcasses and eggs discarded in river at cleaning station.
723	Let us win the lottery, so we could afford it. We have 4 boys and like it when they can join us, but that usually means on Mom and Dad's bill.
724	Let you know when you obtain your license what days certain fishers are closed .
725	License more affordable
726	License on phone.
727	License on smart phone and harvest card on smart phone
728	license purchase through app
729	Lifetime Fishing and Hunting license 'Sportsman License' Like \$600 for one time purchase license (like card I'd) it is had to be on the water with paper fishing and hunting license
730	Like I said before, I usually have to read the regulations a few times before I understand what I can use, and what I can keep. Making this clearer would help.
731	Limit big boats and HP on Eyak . Some boats too big for fish, eggs and other fisherman safety
732	Limit commercial fishing affecting Kenai kings
733	Limit commercial fishing at entrance to river!
734	Limit commercial fishing days and let fish into the rivers for sport fishermen.
735	Limit commercial fishing on the Kenai.
736	Limit Commercial fishing take to allow more fish into the rivers.
737	Limit commercial nets to give all species of salmon an opportunity to continue. The net don't know the difference between a king salmon and a sockeye.
738	Limit guides to Alaska residents only.
739	Limit the charter fishing boats.....there are way too many!
740	Limits on commercial, less stringent on sports fishing. Every year restrictions get worse, I'm about to quit going.
741	list and decipher federal limits and changes, so an average fisherman can understand them.
742	List days that netting is happening out in the ocean
743	list local honest/licensed guides to hire

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
744	List on a sign board the type of gear used for fishing in that area.
745	List the regulations per area instead of generalized.
746	Look at the balance of commercial vs sport and adjust limits to attract additional sport. Tough to make a trip from the states if the King limit is two fish
747	Love the digital fishing license!
748	Love you ideas for an app
749	Lower a day fishing pass!
750	Lower cost license fees
751	Lower cost of license? Increase the number of fish?
752	Lower costs for guides
753	Lower the cost for returning out of state fisherman!
754	Lower the license fee
755	Lower the out of state prices.
756	Lower the price of fishing licenses
757	lump rivers with identical regulations together in same regions/areas
758	Mail fishcount surveys no later than September. Try to get Jspan to stop discharging radioactive water into pacific ocean.
759	Mail me regulation info
760	Mail requested regulations
761	Mail the regs booklet to prior year license purchasers before the season starts
762	Maintain fish stocks,
763	Maintain larger runs of target species. Manage fisheries better to promote the highest fish return rates possible. That includes making certain fisheries catch and release only until the fish population has returned to a healthy sustainable number.
764	make a good app with all fishing info in one place
765	Make a hard copy of regs very easy to find by stashing copies in all kinds of places: Stores, marinas, motels, etc.
766	make a section specifically for youth fishing - when do they need a license ect.
767	Make all rivers have same regulations. Like bait is allowed or not single hook yes or no.
768	Make an app and mobile license purchases
769	Make an app for that!
770	Make an app, that was easy to use and look up.
771	Make area maps clearer
772	Make available when a fish is out of season

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
773	Make booklet available when license is issued.
774	Make buy a lifetime fishing/hunting license an option.
775	Make clear the regs when flipping for reds
776	Make closures and amendments more understandable. You can close/limit commercial fishing before penalizing residents as resident have less of an impact on salmon species than commercial fishermen.
777	make digital licenses legal
778	Make easier to understand
779	Make electronic copies of licenses a legal proof/form of license.
780	Make Emergency Orders easier to find and understand on the website.
781	Make EO's more accessible a.'s werka.'s King Salmon counts
782	Make extremely clear in publications what species require specific harvest stamp.
783	Make fishing regulations easier to understand
784	make info easier to come by
785	Make it clearer what gear is allowed and when.
786	Make it easier to differentiate where in a stream or river you can or can not fish for trout and salmon
787	Make it easier to figure out where boundary markers are at specific fishing areas (fishing only allowed this far up or down river)
788	Make it easier to fill out the harvest report. I dread getting it and delay doing it until guilt overcomes me.
789	make it easier to find certain areas and current regulations on the website, ban gillnetting
790	Make it easier to find fish
791	Make it easier to find fish count numbers
792	Make it easier to find the Prince William sound shrimp permit online.
793	make it easier to tell what regulations are in the specific place I am at or will be going to.
794	Make it easy to obtain a fishing license
795	Make it easy to read
796	Make it easy to see fish counts & alerts electronically
797	make it easy to sign up for the EO's in certain areas
798	Make it easy to understand the regulations and changes to regulations so i don't break the law
799	Make it easy to understand.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
800	Make it so you can butcher game at the kill and just record everything with devices, pictures in and video as proof instead of trying to keep a nut sack or a wing.
801	Make Kenai catch and release only for rainbows and dollys
802	Make license purchases available on mobile or on site
803	make more catch and release and tighter limits
804	Make more rivers and lakes have handicap access to fish. I
805	Make Out of state tags Cost less
806	make regs easier to understand
807	make regs easier to understand
808	Make regs more logical and easier to understand.
809	Make regulation simple. Stop asking for input from fisherman and make a decision! We will follow the rules.
810	Make regulations easier to comprehend.
811	Make regulations easier to understand by getting rid of exceptions for individual drainages and standardizing regulations (seasons, bag limits, methods/means) over larger geographic areas, where possible.
812	Make regulations easier to understand.
813	Make regulations less complex
814	Make regulations less confusing and easier to apply to regions
815	Make regulations more user friendly.....in every sport. This state regulates EVERYTHING to much regardless if it is fishing, hunting etc.
816	Make regulations shorter & simpler
817	Make some how to video tutorials
818	make sure all fishing lodges are notified
819	Make sure closures are noted when buying license online
820	make sure emergency orders are heard or seen
821	Make sure that regs are easy to read and understand.
822	Make sure that the populations stay strong.
823	Make sure the Alaska Guides, let the customers know fish limits an sizes before trips are agree to.
824	make sure there is enough fish for subsistence users before you allow commercial fishers and then sport fishers to retain their catches.
825	Make the app available
826	Make the App where I can purchase and store license, view regulations easily, and be notified of any changes or emergencies

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
827	Make the app. Emergency orders and looking up regs by location and species would be much easier
828	Make the app. Keep in mind making it easier to find regs for hunting and fishing associated with a particular species. Being able to purchase licenses and have copies of them on their would be a bonus.
829	Make the book easier to navigate.
830	Make the book easier to read Smartphone app Digital copies of licenses, tags, etc
831	Make the booklet easier to understand for new outdoormen
832	make the boundaries clearer some are very hard to follow.
833	Make the cost of the license cheaper.
834	Make the emergency orders easier to find and understand!
835	Make the entire region the same. All one way! Are we the public allowed to catch fish or not? The rules are so convoluted myself and another friend read your regulations for almost two hours before we had a 90% confidence in where we were fishing and what was legal. People want to do the right thing but you as an organization should make the right thing easy to do. If we feel we need a lawyer to review the regulations and make them understandable they are obviously too complex.
836	Make the information easier to find
837	Make the license for non-res cheaper :) Increase crab and shrimp bag limits in south east :)
838	Make the license less expensive for out of staters.
839	Make the online regulations searchable by key word or location
840	Make the paper booklet easier to get in remote locations and easier to use in general.
841	make the posted on site regulations clearer maybe add some fake cameras at popular places so people will feel like someone is enforcing something....
842	Make the regs known in an easier communication format
843	Make the regs searchable and easier to find info
844	Make the regs which change after print more accessible
845	Make the regulation easier for people to understand. I have a biology background so I understand a lot, but I don't think the general public would. Especially people coming to fish for the summer.
846	Make the regulations applicable to every day of the week. Sometimes an elderly sport fisherman/woman may need help reeling in a large fish. Do not penalize the helper or the one being helped with regards to bag limits.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
847	make the regulations comprehensible. there must be a way for an honest fisherman to take advantage of the resource without being in constant fear of arrest.
848	Make the regulations easier to understand.
849	Make the regulations easy to identify by location
850	Make the rule books in plain language
851	Make the Rules Black and White. Don't Leave open for Agents Interpretation
852	Make the rules easier to find in the booklet without having to go back and forth through the book.
853	Make the vessels have the license, and not the individual.
854	Make the website easier to navigate
855	Make the website less complicated
856	Make their regulations readable and make it easy to determine the boundaries of each area.
857	Make them easier to understand and publish the penalties for not adhering to them.
858	Make them more clear
859	make them more reader friendly make information available from any location, anytime (e.g., with a phone app)
860	make them simple and easy to read. make the phone app
861	make things a little easier to read and more detailed at the same time.
862	make things easier to understand
863	Make website easier to navigate
864	Make wording simpler to read.
865	Making an app would be wonderful.
866	Making emergency orders easier to see
867	Making regulations clearer & easier to access.
868	Making sure there are enough resources to be able to check fishing regulations and guidelines.
869	Making the booklet easier to use and pointing out specific changes made in the front of the book.
870	Making the regs easier to understand. I I have difficulty understanding whether statewide regs or local regs apply to my situation and which takes precedent. I like the idea of having all the regs that apply to a given area in one place in the booklet, online or in an app. It would be super awesome if when ADF&G comes down to a river they help people understand what they should be doing since the regs are so complicated, so educational outreach.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
871	Making the regs more easily decipher for everyone. Living in Alaska fishing you learn how to read the regs but tourist who don't see it every year tend to make mistakes cause they are hard to read
872	Making the regulations and emergency orders easier to access and understand
873	Making usable equipment regulations and areas more available. I struggled to find snagging info regs related to sheep creek (juneau) last season.
874	Manage commercial fishing better , lower by catch and enforce laws with commercial fleet, communication EO better - like app idea, Increase escapement numbers to adjust for natural impact on runs, increase enforcement and penalties for foreign nationals- they get a ticket and keep on fishing
875	manage commercial take better
876	Manage for higher escapements, as well as provide more fish for non-commercial harvest.
877	Manage Kasilof River separately from the Kenai river management plan.
878	Manage SE Alaska steelhead runs more aggressively.
879	Manage Solomon fisheries and hatcheries better
880	Manage the escapement goals better. For example, if a goal of 900,000 sockeye are to be excaped up the kenai river, do not change the excapment goal to a higher number if more fish are suddenly forecasted to be up the river. A minimal exapment number is a set number and should not be changed. Managing rivers shouldn't be for the fisherman and women. It should be geologically planned to have the strongest run for the next year.
881	Manage the fisheries so there are fish to catch. Stockmore hatchery fish in streams.
882	Manage the king fishery for our grandchildren and not bow to commercial interests and lower escapement until the size and number of kings are minimal. Mismanagement ruined the Yukon and Kusko wild salmon stocks!
883	Many regulations are vague, many definitions are hard to find and vague, and many statutes are hard to find. Because many people do things their own way, while it follows the intent of the regulations, it doesn't follow the letter, and that can make some specific types of sportfishing very confusing, because the regulations will say one thing, people will say another, and the booklet will say a third.
884	Maps of publicly assessable sites. Clearer regulations.
885	Maps were a bit confusing and could be made more clear, although the detail of the geography is a challenge.
886	Maybe come out with an app. I still am old fashioned though. I like the paper copy you get from sportsmans warehouse

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
887	maybe make the maps of rivers and streams a little easier to understand the cut off points on bans when they are applied
888	Minimize emergency changes!
889	Minimize exceptions to standard regulations
890	Mobile app with valid license
891	Mobile App would be fantastic.
892	Mobile/cell phone license
893	Modifying your wording on signage is a great idea to increase comprehension of rules for people. Having an app is something I've wanted! Having a digital copy of your license stored on the app would relieve so much worry and make life easier!
894	More in-depth information on the Mendenhall drainage from the lake to the salt. Opportunity exists but no reg's can be found.
895	More access during red season on the Kenai. Too few access points.
896	More access to information on where the best fishing is at any given time.
897	More alerts and notifications of season runs and locations beneficial for regions.
898	More and better maintained 'Brown Signs' at river and stream 'Cut Off' points for change in regulations.
899	More booklets available
900	More choices of non-resident license fishing periods (1 day, 3 days, 1 week, 2 weeks)
901	More clear as to where and where not to fish.
902	More clearer on regulations and one page of information on one area
903	More clearly define regulations
904	More clearly define rules AT THE lake/river
905	More days without guides present
906	More detail on the maps in the booklet
907	More details on fish identification
908	More email communication about regulations and seasons.
909	More enforcement against poachers. Raise the price for nonresident fishing licenses.
910	More enforcement on the rivers. I have fished the Kasilof River multiple times this season and have seen snagging, snagged fish killed, but have yet to see F&G presence. Regulations are only as good as the enforcement of said regs. Start managing the coho. Look at historical data on minimum escapements for Kenai River kings and ask themselves why they have reduced the targets so drastically since 1980. 38 years, in the bigger picture of sustainability, is a very short time.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
911	More hatchery king salmon released, so not so many restrictions...Ha!
912	More information on where and how to
913	More limitations on commercial during season
914	More maps of easily accessible fishing spots, which lures to use etc
915	More notice and more platforms used to communicate emergency orders.
916	more places to be able to purchase a license and having options to purchase 2, 4, or 5 day licenses.
917	More simple rules/reg and consistency
918	More space if that could be possible?
919	more troopers out patrolling the snappers and law breakers
920	More understandable crab trap regulation publications
921	more workshops explaining regulations and subsistence/personal use differences and state vs federal regs
922	Move Alaska to beside Indiana
923	Move all of the season openers and closures about two weeks later into the year
924	Multiple post and at least a few days notice on closures. Most closures happen in on day with few apparent notices.
925	My choice to sport fish is my own responsibility, not the Departments.
926	NA. I think things work great just the way they are
927	Ninilchik Residents should have a local's only day in Ninilchik River and Deep creek, All rivers should have this for locals only. I live here year round and don't get a minute of serenity on the river while fishing
928	No Comments - Satisfied
929	No complaints from me as I tend to fish for trout and let them go anyway. I keep some salmon and commonly rely on the lodge for information on regulations if I want to keep something, or the vessel operation, etc.
930	no ideas at this time
931	No really sure. Make them more simple in general.
932	No. Obtaining licenses via the internet is easy, breezy. Always fish with AK residents who are well-versed in regulations.
933	Non issue for me but I've been fishing here 20+ years The dipnet fishery should either be closed or for local residents only and not regional
934	none, I depend upon the Licensed Guides and Fishing Lodges to impart the correct fishing reg during my trips

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
935	Not allow commercial fishing to regulate policies. Equal representation on boards 50/50 sport fisherman to commercial fisherman. More excapment in certain areas. I'm all for the closure of areas to protect fish getting up river to spawn
936	Not an issue as we keep few fish
937	Not charge so much for outside fishermen
938	not give commercial fishing such high numbers
939	Not have emergency closures. Inform ahead of time so when we fly clear to Alaska we still have somewhere to fish.
940	Not have so many regulations for 1 creek or river drainage. Ex. One side of bridge bait and any hook. Other side of bridge single hook
941	not having to flip from front or back of book
942	Not much. You guys have very straight forward rules
943	Not really anything. We plan a trip when we are cruising on the inside passage.
944	not really unless you count more and bigger fish
945	not really, my family is more of subsistence hunting and fishing family I have always just got the license to cover myself and family. Plus I know it helps USF&G with funds to upkeep what the need to do.
946	Not require a printed and signed copy of my fishing license. Trying to save trees over here! Also, so owns a printer anymore? ;)
947	Not required a junior card to be maintained for kids
948	Not so many net days and stop Comercial over harvest
949	Not so much to help me, but having a "take a kid fishing" program would be great. I haven't really looked into who, if anyone, has a program like that, but it's great to get the youth involved early and often.
950	Not sure exactly what to say.... but I did feel like I could of made an error had I not been with a local friend. Particularly in the method in which it's legal to catch a salmon.
951	Not sure if they could make it easier
952	Not sure of anything different than info I've seen in survey

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
953	Not sure why some fish even have limits. For example, most of the time just bringing up a rock fish can be a death sentence for it, so why limit the number you can keep? That doesn't make sense to me. The area I have gone to fish sometimes has commercial fishing boats in the area as well and that can be a nuisance for all involved. Would be nice to have designated areas for each so there is no chance of fighting for the same fishing grounds. Sometimes the slot fish limits get a little confusing but where we fish the hosts make it easier for us by providing measurements right in the boat. Not sure why fish that do not need to be recorded on the license are still listed on the log sheet. Would make more sense to only list those that need to be specifically tracked. Also, it is not really practical to expect people to record at the time of the catch. Most of us do not bring out paper and pens/pencils in our boats. It seems like it would make more sense to record at the end of the day and/or when you bring your boat in.
954	Not wait to the last minute to update emergency orders.
955	Nothing are guides are very knowledgeable in the regulations
956	nothing at this time
957	Nothing at this time
958	Nothing at this time
959	Nothing at this time
960	Nothing at this time Maybe send regulations each year.
961	nothing at this time.
962	Nothing at this time.
963	nothing comes to mind
964	nothing comes to mind
965	nothing comes to mind
966	Nothing comes to mind
967	Nothing comes to mind
968	Nothing does a good job of sharing information and making it easy to understand.
969	Nothing I can think of
970	Nothing I can think of.
971	Nothing i thought the process was easy
972	Nothing more, I like buying licenses and tags online.
973	Nothing really; it's much simpler then WA or OR already.
974	Nothing that I can think of!
975	Nothing, I am satisfied with Alaska sport fishing regulations.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
976	Nothing, regulations are pretty clear.
977	Nothing, you guys are great
978	Nothing, you guys are grest.
979	Nothing. I'm used to the format and content.
980	Nothing. Alaska fishing is great.
981	Nothing. Always use a guide.
982	Nothing. Everything was understandable.
983	Nothing. I don't feel 'easy fishing' is up to the department. Frankly, getting a copy and understanding the regulations is easy enough.
984	Nothing. If it ain't broke don't fix it.
985	Nothing. The current fishing regulations are easy enough. Hunting regulations are a different matter though.
986	Notification via various methods
987	Notify of Emergency Closures
988	Notify of upcoming changes
989	Number to call when a problem arises
990	Obtaining the fishing license on the Web.
991	Offer a 3 day, and 5 day licensee Instead of just a 3 day forcing everyone to buy expensive 1 day licenses
992	Offer me free trips to some of the best fishing spots in AK.
993	Offer one month license for non residents. We repeatedly must buy annual licenses even though we only can fish for 1 or 2 or 3 months. Thank you for asking.
994	Offer or partner with another organization to teach safe boating classes for women so that we can go out and fish on our own. :)
995	Offer sponsored educational/guided trips... my kids would love to fish and learn! Also, Facebook is only one social channel. You can monitor other channels (twitter, instagram) with a tool like Sprinklr and really see what is trending... also might be able to catch people who catch fish illegally and talk about it or post pictures about it
996	Officer available for support
997	Official videos from your staff on how to fish, suggested equipment as guidance for novice anglers (adult, senior citizen). Thanks.
998	One fish per species per year
999	Online digital fishing license purchase.
1000	Online fishing license

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1001	Online purchase of fishing licenses
1002	Online purchase or app purchase of licenses
1003	Online purchasing of licenses, especially if it's valid without having to print it out.
1004	Online record-keeping (license, etc.) is #1.
1005	Only fish once a year so not really anything.
1006	Open kings more often
1007	Open more river bank fishing
1008	Open sanctuary area Kenai/Russian river when fish count meets objective
1009	Open up larger portions of fish weirs and for more hours. I've watched fish bang in them until half their head is gone.
1010	Our experience is limited and we have had no problem.
1011	Outline the regulations clearly Example One hook one lure Bait can or can not be used
1012	outlining all the boat launch areas around the state
1013	Outreach ...like this...provides a sense of ownership Stocked rivers and lakes are wonderful
1014	Overall Alaska does a great job with their fishery.
1015	Overall just revising the fishing regulations. For example, if I want to fish the lower Kenai, I just want to go to one spot and find what I need. Not multiple locations. I was in Kenai a couple weeks ago and it took two of us to figure out what was open and what was closed
1016	Partner with feds to include halibut regs in same booklet. Public doesn't care who is in charge, just want to know what they can and cannot do, in one easy to use reference.
1017	Parts of the regulations are extremely complex - the Kenai River for example - that make it so difficult to determine which micro area is open, at what time, for what species and with what gear.
1018	Pave the bottom of the Russian River.
1019	pay my airfare from Texas...lol actually not a thing
1020	Per species regulations need to be more clear and easier to understand for someone who has never fished in Alaska.
1021	Perhaps an interactive way to sign up for alerts? Maybe this exists and I am just unaware.
1022	Personal Using Fishing Regulations easier to obtain
1023	Phone alerts about emergency closures. Like the police department or tsunami warning. Opt in of course

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1024	Phone app would be helpful.
1025	Phone app would help
1026	Pictures or examples of acceptable set ups allowed and not allowed. Better signs for where it is legal to fish in some places rather than, “about 600 yards past the falls”.
1027	Pictures to help clarify certain regulations. For example, I was confused for a long time regarding single hook vs multiple hooks / treble hooks (did a single hook mean I could use one treble hook, or just a hook with one point?). I ended up contacting your office to get clarification. A simple diagram defining the different hooks would have been useful.
1028	Plain language regs. Assume I’m stupid, then times by 5.
1029	plainly explain all regulations
1030	Plan regulations with longterm fish stock health the goal, NOT INITIATE REGULATIONS WHEN A STOCK IS collapsing and it is already too late. Steelhead kings silvers humpies trout dollys. Everything that isn’t a commercially valuable red salmon
1031	Planning my trips from out of state becomes difficult when you have mid week closures and emergency closures after my trip is booked
1032	Please make the Kenai River trout fishery FACTORY BABBLESS HOOK ONLY
1033	Please provide clear, concise, updated information
1034	please provide more fishing guide list to us
1035	POACHER HOTLINE PHONE NUMBER
1036	Possible post something about a trail closure in Emergency Orders for something like a Bear issue. People sometimes travel long distances to show up and have a trail closed.
1037	Possibly offer locations to go fishing. I would like to fish more in my area but I’m not sure where to go and/or the level of difficulty to get to some of the places listed in the regs. For example I would have never known about Carpenter lake, and the easy access, if someone had not mentioned it.
1038	Post all regulations on an easy to navigate app.
1039	Post certain regulations at each main fishing spot.
1040	post commercial openers next to sport fishing and emergency orders. That way I know to just stay home.
1041	Post details by region on a smartphone app. Start managing the charter boats much more carefully to eliminate the catch and release of kings in Sitka. I’ve talked to clients who say they release fish all day at the Cape after they have one on the boat.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1042	Post e end more regular fishing updates by local area in specific regions.
1043	Post emergency closures for fishing on the fish count pages online.
1044	Post emergency orders at all public launches. Create the App.
1045	post emergency orders on local radio, on FB and mailer postcards
1046	Post emergency orders on website..
1047	post fish counts at popular fishing spots
1048	post it on the ADFG website
1049	Post it on web site.
1050	Post on posters the trees at closed fishing sites.
1051	Post regs at main locations of water entry
1052	Post regulations and emergency orders at common fishing sites
1053	Post regulations at sites...
1054	Post Seasons for different species in one location
1055	Post videos on you tube and website with an officer reviewing regulations for specific areas.
1056	Posting regulations at points of river and sound entry.Eliminate netting of fish on particular days of the week.
1057	preferred baits for certain bodies or areas of fishing
1058	Presenting the regulations in a simpler, more straightforward way
1059	print more paper booklets
1060	Prioritize sport fishing before commercial fishing. Shut down fisheries completely for several years if the fish numbers are low and don't allow catch and release, the mortality rates are to high.
1061	Projected fish counts. We have to make reservations several months ahead of time and it would be nice to have some idea of how the fishing will be. I know this is not an exact science, but some of the success of sports fishing is dependent somewhat on decisions Fish and Game make—example, commercial fishing and nets.
1062	Properly organizer the web site
1063	Protect the fish - limit size and numbers of catches, especially for non residents
1064	Protect the fish from pollution and over harvest.
1065	protect the rivers and waters that produce such bounty. Better balance commercial versus sport fishing interests, do not allow mining up the Nushagak River
1066	PROVIDE A FREE LISCENCE

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1067	Provide a smartphone app that allows people to see the restrictions on fish by region. There is a similar app for fishing in NC (FishRules) and I use it every time I go out to fish
1068	Provide an OPTION to each Alaska resident that purchases a license to have a copy of the regulation booklet mailed to them directly.
1069	Provide and/or advertise booklets or apps with cruise ships and local guides in cruise ship port stops.
1070	Provide booklets of information
1071	Provide classes in the rivers for all ages not just kids, some adults need it
1072	Provide fishing access maps on where to park or camp near fishing hot spots on the Kenai River and others.
1073	Provide fishing reports more often than weekly. Things can change quickly.
1074	provide guides info on hunting/fishing in particular area with customer reviews on the guides.
1075	Provide info on where to purchase licenses and when purchasing licenses how to get regulations
1076	Provide me with fuel for doing local fish studies
1077	Provide the app. Tougher regulations on commercial fishing to protect tourism fishing in the state.
1078	Provide updates in real time
1079	Providing a regulation app
1080	Providing quick access to purchase license and view regulations on specific areas to be fished.
1081	Public notifications of emergency orders through radio, charter outfits!
1082	Publish one regulation for the state. Not multiple regulations by region
1083	Purchase fishing and hunting licenses online
1084	Purchase license on app before I arrive.
1085	Purchase licenses on line and be able to use that or the paper license.
1086	Purchasing tickets to fish for Kings and then finding out they closed it the day before our arrival. Not a fan of spending all the money to only get silvers.
1087	Put a fish Weir on the Yetna River the Deshka count does not accurately take account for kings on that river system it needs to be managed a heck of a lot better.
1088	Put a halibut weight chart in the book
1089	put everything on the internet, text, email alerts.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1090	Put in a ramp at Truillo's place on the Kasilof. Perhaps pave the street leading to the new boat ramp so the people living there would be less affected by noise. Simplify the regulation book. Perhaps use students in school as a project to come up with clearer regulations, and use it as a promotional event. It would give the students insight into how hard writing regs can be, plus you'd have a lot of local kids appreciate the thought that goes into this important booklet. Everyone of them would at least read the regs then. No excuses.
1091	Put it in simple English Give gps coordinates for fishing areas
1092	Put limited entry on charter companies
1093	Put out the number of salmon you can keep earlier so you can plan a trip
1094	Put specific area regulations in one spot.
1095	Put subsistence and sport fishing ABOVE commercial fishing allowances as the AK governing laws dictate.
1096	put the halibut limit back to two a day. Every day
1097	Put wifi in the woods.
1098	Quick reference of regulations
1099	quit changing regulations during the season. Ridiculous to have emergency changes - says to me that you didn't do a good job earlier.
1100	Quit reducing kings limit after I purchase license.
1101	Raise halibut limit back to two/day.
1102	Re-define the term Sport fishing, so it's not by method of take, but reason for fishing, I.e. subsistence fishing using rod & reel. Allow harvest priority in a region/unit(s)/drainage to local residents of that unit(s)/region/drainage system, then all other Alaska residents, then non-residents.
1103	Re-open pike fishing at Harding Lake (it's about time); take better care of pike populations by releasing fish larger than 30' or whatever a reasonable breeder size would be.
1104	Re-organizing the fishing reg book so that everything you need to know is in one place and you don't have to flip through intervening pages to figure out other regs about your particular locations.
1105	Re word a few of the more confusing regs. Leave EO's up and in lots of locations so they are easy to find.
1106	Read my survey answers
1107	Read my survey answers. Please email for announcements.
1108	Reading the rock fish regulations is a nightmare. Too many regs and difficult to understand the correct species.
1109	Receiving alerts or text early for emergency closure
1110	Recommend competent guides who know current regulations.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1111	recommend easy fishing location within 5 hour dive for kids and visitors
1112	Recommend good lures or fishing styles for particular fish such as, fly fishing for grayling may work better than a pixie
1113	Recordable harvest on smartphone app for all sport fisheries, personal use fisheries (i.e. Kenai R. Kasilof R). Require 'Proxy: Fishermen to wear their proxy card/letter in a waterproof cover on their fishing vest/coat. Increase the size of the personal use harvest card for numbers of fish. A little square does not cut it. Most keep tally marks on a separate card and transfer the information into the little box for the day. Provide permits on RITE IN RAIN PAPER at retailers.
1114	Redesign written versions of regulations so they are comprehensive and easy to read.
1115	Reduce Commercial Fishing
1116	Reduce complexity of regulations
1117	Reduce crowding of sport fishermen Increase shore opportunities Please think of households before the commercial
1118	Reduce emergency closures Stop Gill Netting at mouth of rivers that will close sport fishing when they catch to many
1119	Reduce quotas on commercial fishing
1120	reduce sea lion population more fish hatcheries for king salmon
1121	Reduce the commercial fisheries adverse impact on sport fishing
1122	Reduce the commercial over fishing of the Prince William Sound. Protect Native species in big lakes such as Lake Louise. KISS
1123	reduce the information available 'per page' by focusing on location- or species-specific info (in particular I'm thinking of the printed version of regs)... more white space for readability
1124	reduce the need to flip back and forth to different areas to find information on fishing in specific areas
1125	Reduce the price of licenses for out-of-state seniors.
1126	Reduce/simplify regulations on allowed methods for fishing (eg what sort of hook or bait)
1127	reducing commercial fishing bycatch waste
1128	Refer to earlier answers.
1129	Reformatting the fishing regulations so they are more clear would make it easier for me.
1130	Refund a king tag when the area is closed. I no longer even bother buying one, as I have not had a chance to fish in the past 5 years before the closure.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1131	Refunds on emergency closures for out of state fisherman
1132	Reg booklet needs editing for clarity
1133	Regional regulation brochures. Instead of a big, thick book, focus on the need-to-know info for one specific region.
1134	Regular fishing license for individuals born in Sitka AK and of Native ethnicity.
1135	Regular updates during peak season with access via website or app. Overall conservation information needs to be stressed.
1136	Regulate charters. Tax same as commercial
1137	Regulate commercial fishing
1138	Regulate Northern Pike house in the Nancy lake area as a game species. Regulated for trophy quality.
1139	Regulate otter population and perhaps whales?? People need fish to eat and the otter repopulation theory Does not make sense.
1140	Regulate the commercial fisherman more before the noncommercial. Also stock a larger variety of lakes.
1141	regulate the commercial fishing at the mouth of the kenai more effectively and prevent day after day openings for them
1142	regulate the days the commercial boats can fish and the number of boats allowed to fish. There is way too many boats from out of state reaping our harvest. Alaska sees nearly no revenue from them as there is no state income tax. Sport fishermen support the industry not the commercial fishermen. It's time we got to enjoy some fishing also!
1143	Regulate the illegals that dipnet better.
1144	Regulate the kings better. They are taking too many and there won't be fish left for my children and grandchildren.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1145	<p>Regulate/Reduce the number of Guides on the Kenai River by requiring all registered Kenai River guides to be permanent Alaskan Residents w/ at least 5 years residency and must maintain a permanent residence in Alaska and be eligible to receive the permanent fund OR reduce number of guide days on the Kenai River. You've let the guide population get out of control and it's killing the king run for everyone.</p> <p>ALSO - (A huge request) MONITOR AND ENFORCE NO GUIDED FISHING ON THE KENAI RIVER ON DRIFT BOAT MONDAYS AND SUNDAYS. THERE ARE MANY CHEATERS AND ADF&G DOES NOTHING ABOUT IT!!</p> <p>Also - Allow resident Alaskans to snag reds to get their subsistence quota. The law allows Alaskan residents to use a 4+ foot net to dipnet their entire annual quota as fast as they can if the fish are in. And yet, those who choose to get their reds with a 3/8ths inch hook are only allowed to catch them in the mouth and 3/6 a day making the rod and reel guys have to fish many long days to get their reds for the year. It's extremely unfair and bias.</p>
1146	<p>Regulations are confusing and have been for a long time. Almost got a ticket from a ADF&G trooper who didn't know the regulations.</p>
1147	<p>Regulations are sometimes confusing and then F&G will sometimes contradict what the refs are. Enforce regulations when you see people at the Russian River snagging and not get caught.</p>
1148	<p>Regulations between fresh and salt</p>
1149	<p>Regulations including emergency orders by body of water deisayed clearly on one page on website or app.</p>
1150	<p>Regulations seem unreasonable</p>
1151	<p>Relax the bottom fish regulations.</p>
1152	<p>Release an app and keep it updated at all times!</p>
1153	<p>Remind to track catch for survey that comes later.</p>
1154	<p>Reporting fish count online</p>
1155	<p>Require guides to have a full knowledge of all fishing regulations. Guides would be responsible for infractions made by their clients-maybe licence guides.</p>
1156	<p>rule requiring one to keep any fish removed from the water seems somewhat burdensome to me. I've fished all over the states and in Brazil and Mexico and not encountered a similar rule but perhaps the species can't survive a 20 second hook extraction and then gentle relase</p>
1157	<p>rules by location in plain english</p>
1158	<p>Salmon conservation is incredibly important. I'm worried about the long term evolution of the Kenai system</p>

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1159	Saltery sockeye fishery on Kodiak was a big disappointment. No one follows the 'no snag' rule, because the fish don't actively feed there. We followed the rules, fished all day to keep just a couple of fish, and local after local all snagged their limit of 10 in an hour. A travesty, won't go back there.
1160	Schedule and post commercial fishing ahead of time and stick with the schedule during dipnet season so Alaskans can limit out. Dipnetters do not catch fish when commercial boats are out. Also require commercial boats to leave no wake when people are dipnetting from shore or are passing dipnettws in boats.
1161	Seasonal bait/hook regs can get a bit confusing.
1162	Securing more public access sites where there is heavy use of the resource.
1163	Seems easy enough to me
1164	Seems pretty easy already
1165	Seems to be clear to me now
1166	Send an e-mail of the regulations to anyone who receives a license.
1167	Send email weekly fishing reports for areas selected.
1168	send emails with regulations
1169	send me an email asking if I will be fishing in the coming year and if so, send me the regs for that area
1170	Send me fishing regulations and catch updates
1171	Send me tickets to go up there more often!
1172	Send more email notifications
1173	Send out text alerts
1174	send out tidebooks with the regulations in it
1175	Sending out this survey is a start. Hopefully some changes happen.
1176	Senior citizen license discount, veteran license discount, and or a combination.
1177	separate booklets for different regions
1178	set king salmon regulations earlier in the year
1179	Set the rules once a year and leave them be.
1180	Set up a subscription to receive texts about emergency orders as soon as they are released. Also publish current run charts as often as possible.
1181	Show more support for sport fisherman versus commercial netters. We harvest a fraction of what they kill.
1182	show types of fish and how many you can keep a day
1183	Show which commercial charters are licensed.
1184	show young and mature species. what specific markings to look for on the young fish.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1185	Shrimp Pots- Allow multiple licensed (non-resident) users to share a common down line (up to 5 pots max) to that people who fish together can share tackle and it just makes logical sense and saves unnecessary amount of Lines and buoys being deployed in the water
1186	shrimping should be legal for subsistence in winter and crabbing should be legal for subsistence in summer for rural residents only, the marine waters in my home area should also have federal jurisdiction, not just beyond 3 miles and not just for federal land freshwaters
1187	Shut down commercial fishing and the nets do the guys with rod and reel have something to fish. That's a start
1188	Shut down commercial salmon fishing the week I'm there? Just a thought.
1189	Signage at entrance to fishing spot with important information regarding regulations for that specific spot.
1190	Signs with limits posted at lakes or knowing that certain lakes have been stocked has been helpful to me
1191	Simpler regulations. In sensitive areas, limit fishing to catch and release. Post regs at parking areas. Make fishing seasons clear statewide. If other fisheries can't support statewide dates, shut them down or make them catch and release. Protect the asset!
1192	Simpler to read and understand
1193	Simplification of the regulations - better maps and descriptions of boundaries
1194	Simplified regulations for local areas always makes it easier to find differences between areas and keep from violating the rules.
1195	simplify access to information, and provide up to the minute information
1196	Simplify as much as possible
1197	Simplify fishing regs
1198	Simplify fishing regulations.
1199	Simplify halibut fishing regulations. It is very confusing.
1200	simplify or standardize the slots and limits on different species year to year
1201	Simplify regs- otherwise ADF&G is doing a pretty good job.
1202	Simplify regs, have all rules and regs for a particular area on one page.
1203	Simplify regs. Too complicated.
1204	Simplify regulation should
1205	simplify regulations
1206	Simplify regulations
1207	Simplify regulations
1208	Simplify regulations

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1209	Simplify regulations / clarity
1210	Simplify regulations and do not cave in to the commercial guys all the time.
1211	Simplify regulations for species that aren't a conservation concern and advertise those simple regulations. Thinking something like dolly varden. Make one bag limit for the whole state and advertise it. Is that possible?
1212	simplify regulations,
1213	Simplify regulations, Make charter fishing better by excluding some fisheries from commercial harvest
1214	simplify the booklet on fishing regs
1215	Simplify the information. Make regs standard for all areas.
1216	Simplify the regs. For example, the kenai reefs are a mess. Make the king regs more precautionary. Err on the side of catch and release. The retention regs have been way to liberal in recent years with low returns.
1217	Simplify the regs. I know this is mainly about sport fishing, but subsistence would be nice too.
1218	simplify the regulations
1219	Simplify the regulations
1220	Simplify the regulations
1221	Simplify the regulations and make them applicable to larger sections or areas rather than, in some cases, having different regulations for each small section of the same river/creek.
1222	Simplify the regulations as much as possible.
1223	Simplify the regulations.
1224	Simplify the regulations. Sometimes I feel I need a lawyer to determine whether I can fish somewhere, what equipment is allowed, etc.
1225	Simplify the regulations. AK fishing/ hunting regulations are ridiculously hard to understand and keep track of. I have fished in 7 states and 3 countries in the past 5 years, and they are by far the hardest to grasp.
1226	Simplify the rules #1, improve the process for finding information, and stop sending "ss" type enforcement out to try and bust every person that makes an honest mistake
1227	Simplify types of fishing gear requirements with pictures rather than using words to describe approved and unapproved gear. Add tide charts to different river drainage in order to have one source. Tide charts are separate booklets from ADF&G booklet.
1228	Simplify, especially for short term license holders.
1229	Simplify. It sounds like you are trying to make it easier to understand (Good!), but it would be great if the regs could just be simple.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1230	Simply fishing regulations. Make regulations more consistent between regions. Identify public fishing areas.
1231	Simply the regulations.
1232	Simply the rule book, very complicated and leaves one wondering if they might have missed info about a particular area.
1233	Since I only fish there during a vacation and prefer Halibut fishing I would like the limit to be 2 large Halibut instead of one large and one small since I have traveled a long distance for a chance to catch Halibut.
1234	Since we flew in from IL and had limited time, when we found time to fish we did but was not familiar with required tackle and best techniques for Alaska fishing maybe a best how to guide
1235	Since you can't make me a better fisherman clarify the opposing rules for subsistence and non-subsistence regulations.
1236	Since you sent me reminders to get my sport fishing license and my permit for dipnetting, I think it would have been nice for you to also have sent me an email about the cancellation of dipnetting in the Chitina area. I just happened to hear about it on the radio but thought I misheard so had to verify by going online.
1237	slow down the commercial boats
1238	Smart phone app and making the regulations easier to understand.
1239	Smart phone app for all previously selected reasons an excellent idea. I have never nor will I ever entrust any of my personally identifiable information to Facebook, Twitter or any of that ilk.
1240	Smart phone app is a great idea
1241	Smart phone app would be a excellent tool. Most anglers have a smart phone these days, being able to purchase a license and look up regs would be great.
1242	Smart phone application
1243	Smartphone app & text message alerts for emergency orders
1244	Smartphone App / Digital License
1245	Smartphone app for Emergency Orders, plus local information with the ability to go to each region.
1246	smartphone app! simpler regulations where possible (but obviously not at the expense of conservation)
1247	Smartphone App, with location and season data, so I can see what's open here, now.
1248	Sockeye harvest should change too many people RIP out foul hooks and damage meat

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1249	some clarity about specifics in terms of hooks, barbs, typical legal and illegal rigging methods
1250	Some of the boundaries are hard to follow.
1251	Somehow get the legislature to allow multi-year licenses to be purchased and annotated On ADL. Paper fishing licenses are a relic of the past and need to go away.
1252	Sometimes the regulations are ambiguous. You can't tell if they are telling you you can or cannot do something. Possession limits can really blow. 6 per day, 6 is possession is really a bummer when you are out for the weekend. Six per day, 12 in possession makes a lot more sense for weekend warriors.
1253	Sometimes trying to figure out what the regulations say is frustrating because they are often complicated when someone from out of the area really is not that familiar with the different locations.
1254	Sorry I don't find anything difficult about sport fishing in the area I live and fish in
1255	Sorry, no good ideas.
1256	Sounds like you're on the right track
1257	Specific information on my smartphone that is location based.
1258	Specific waters regulations info in one place.
1259	split yelloweye from other non-pelagics in PWS. I can catch silver-grey instead ...
1260	Sport fish regs are not too difficult to interpret. The hunting regulations are terrible and need to go through this process too.
1261	Start a smartphone app
1262	Stay off of mobile apps and facebook too.
1263	Stay offline. NO TWEETS, FACEBOOK or. Other BS Have your own page, only with access info available 7/24 at user's request. NO WEBSITES other than AK.gov
1264	Stock some natural fish like Pike in a few of the local lakes
1265	Stock the river drainages around Juneau with Sockeye salmon so you don't need a boat to fish them and have to go to sweet heart creek to harvest. Get the run to be equal to the Kenai run.
1266	Stop all commercial net fishing. Make all species of salmon sport only.
1267	Stop allowing commercial fishermen to have so much influence on sport fishing rules. Open the limitations to allow 6' longer halibut in Glacier bay. The lower limit is too low. It's a lot of money to pay for a guide to only get 2 Kings too.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1268	STOP ALLOWING COMMERCIAL FISHING Of Cook Inlet until minimal escapement is met!!! Last year we barely made escapement after commercial fisheries pulled out 2million fish. We have a cabin down in Kenai and fishing was crap most of the summer.
1269	Stop being so oppressive towards recreational fishermen!
1270	Stop commercial fisheries before sport fisher get a chance to angel themselves.
1271	Stop commercial fishing near favored sport fishing areas. It will not only give sport fishermen a fairer chance, it will also protect more fish, insuring they may get to spawn instead of being in a net.
1272	Stop Commercial Fishing out in the open waters so that more fish can make it back to the rivers.
1273	Stop commercial fishing using nets Go to hook n line tactics extend the resources you have Commercial guys rape and ravage fisheries Have for years Kenai river king is good example of Adfg screwing up Let commercial beach drift and set nettersravage a species that is now going extinct Crappy management and greed killing off a species that is now doomed Fishing the Kenai since 1979 Lot has changed Mismanagement stayed the same
1274	stop commercial fishing within 3 miles of the mouth of rivers.
1275	Stop EO's for commercial fishing interferring with trips planned to coincide with compulsory commercial fishing closure
1276	Stop giving entire harvest to commercial
1277	Stop giving so much priority to the commercial fisherman and allow more sport fishing (we are being cut out of being able to fish)
1278	Stop having commercial driftnet openings on the biggest dipnet weekends of the summer on the Kenai River. Manage the fishery more for the benefit of sport and subsistence users as opposed to only catering to commercial interests. Dear GOD get this done! ADF&G screws over so many participants in order to please a handful of permit holders. Personal use and sport fisherman should be the priority!
1279	Stop King Salmon stamps, just set a 1 limit.
1280	STOP LIMITING HALIBUT FISHING FOR SPORTFISHERMEN
1281	Stop making it harder for the sports fisher.and stop lying about the king fishing they heavy regulate us but they let the offshore commercial boat hamer the king and then wounded why there number are low.then make the sports Fisher pay for it
1282	Stop making the regs so complicated
1283	Stop producing a different regulation on every mile of water, every unnamed lake. Make area boundary descriptions simpler.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1284	Stop reducing Sport Fishing limits Sport
1285	Stop sacrificing sport fishing by giving generous seasons and takes to the commercial fishermen and then closing the seasons for the sport fishermen when there are no fish left. Upper Cook Inlet fisheries are devastated largely because commercials always get first take.
1286	Stop the Pebble Mine and trumps agenda to destroy fisheries. Elect new officials that care about the environment
1287	Stop unlicensed fishing. Fishing out of fry and general abuse of easily accessible fishing sites.
1288	stop with all the no bait, hook, ect. just change time of fishing. If fish is badly injured keep fish without punishment as long as you notify fish and game and quit fishing for the day, something like that... I have seen previous hooked fish, floating dead, a short time after being caught
1289	Store license online. Emergency orders
1290	Stream specific regulations. For example, the Russian river has many date specific regulations. Would be nice to check out Russian river refs for a specific date.
1291	Streamlined emergency orders. Maybe better format.I wish I could elaborate, I would know it when I saw it.
1292	Strive to make the regulations as clear and understandable as possible.
1293	Stronger enforcement and better oversight of the commercial fishing industry. Their incidental catch rates are killing the runs for the rest of us who rely of sport and subsistence fishing to feed our families. When construction or other industries are “slow” the state doesn’t bail them out, same should apply to commercial guys most of which don’t even live in Alaska or spend their money within our state.
1294	submit dipnetting permits and other similar permits online through myalaska portal
1295	Suggested fishing spots/runs/etc.
1296	Suggested tackle/bait & best fishing methods for success
1297	Suggestions in survey
1298	Supply a lawyer with every regulation booklet to interpret the rules.
1299	Support and encourage the lodges and other companies that bring out of state sport fishermen to Alaska. Provide relavent info to them so they can help train and educate the visitors. The one I’ve visit does a great job conveying the difficult and ever changing regulations over the years.
1300	Support people trying to feed their families more than commercial fisherman.
1301	Take charter trips and the skippers very good! Support them as best possible

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1302	Teach me how to fish
1303	Team up with the RV rental companies and show a brief video of fishing / hunting regs when the visiting party is getting their RV rental.
1304	Tell me how to catch burbot
1305	tell when commercial fisheries are open
1306	text emergency orders and mid-season changes
1307	Text me when the daily limit changes. Improve online access
1308	That both sport and commercial fishing both play a role in playing a role in insuring stocks are not depleted. No favoritism. Better methods on the enforcement. In my 59 years in Alaska it is amazing how many violations I see when I'm out. It has got to the point that I just ignore them as nothing will be done as you have limited resources. You need better methods for the public to report violators.
1309	The ability to quickly understand regs in the area(s) I intend to fish. The current regs are not confusing. Instead, they require one to aggregate and assimilate much detailed information, and much of it is in different areas of the regs. As a fisherman who wants to comply with the regs, one must consider and determine a host of factors - area, specific location, locations within a location, dates, times, species, methods of fishing, unpublished emergency orders, ad infinitum. When fishing without a guide, it leaves one with 'I hope I got it all, and interpreted everything correctly'.
1310	The AK fishing regulations are written with the circumlocution described by Dickens in 1855. The Victorian government was known for 'the use of many words when a few would do'. I am so thrilled that you are working on tightening it up. There are probably a ton of technical writers out there that could help you out. Please keep working on this project!! I can see it making a big difference in the People's enjoyment of fishing. The current regs are daunting. Half the time I end up relying on what my brother-in-law tells me. I'm a good reader and have degrees in science, but I can't make sense out of half of what you write.
1311	The App accessibility is a bonus.
1312	The App idea from earlier in the survey. Also duplicate it on your website.
1313	The app is a goo dstart
1314	The app is a great idea
1315	the app is a great idea as a very high percentage of people have access to smartphones and would read the regulations and alerts more frequently
1316	The app is a great idea.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1317	The app is a great idea. Make sure plenty of hard-copy regs are available at common locations
1318	The app is s great idea
1319	The app seems like a great idea. Being a non-resident it's challenging to learn the regs.
1320	The app sounds helpful.
1321	The app sounds like a fantastic Idea
1322	The app sounds like a great idea to keep up to date information available.
1323	The app sounds like a great idea!
1324	The app sounds like a great start.
1325	The app sounds like a really nice convenience.
1326	The app sounds perfect. Otherwise a user friendly website with links to licensed guides in the area I intend to visit.
1327	The app would be great
1328	the app would be nice
1329	The App would be so nice! Have everything in one spot, no questions asked.
1330	The app would be very helpful
1331	The App! Having all the information right there and my license right on my phone would be huge!
1332	The apps would be nice.
1333	The booklet is great. The app could be very helpful.
1334	The development of a mobile application would be very helpful when checking for emergency orders and regulations for a specific area.
1335	The digital app or PDF copy of the regulations that could be easily stored and accessed is a great, handy feature for field use.
1336	The digital license on a smart phone would be a great idea.
1337	The ease to get the online version of the booklet on the ADFG website. It's kinda a puzzle for me to run around searching for it on my phone.
1338	The limits on halibut for sport fishermen with no limits on commercial fisherman is absurd. Sport fishermen catch very few halibut compared to commercial
1339	The mobile app is a great idea
1340	The no-fishing for halibut days makes planning a trip very stressful. We were not able to fish for halibut on the best day of the week - two different trips. Would rather have a yearly or weekly limit but be able to fish any day that the weather cooperates. This is very important to me.
1341	The phone app is a good idea

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1342	The phone app is a good idea for quick, area-specific reference to regulations and EO's.
1343	The phone app would be a great improvement
1344	The Ratio of fish allowed to the Sports fisherman to commercial is frustrating. Two couples that we traveled with and spent 3 months in Alaska will not return because of this.
1345	The regs are easy for me to understand, however, kids, elderly, those with lacking education have difficulty. The app. is a great idea, but fishing out of phone coverage makes it difficult to receive timely info. Not penalizing those who don't receive timely restrictions should be considered.
1346	The regs seem overwhelming at first to newbies. I only fish every now and then, and when I do it's always with someone who knows what they're doing and goes all the time! Even when I do look up info, I'm never really sure I've got it right - how do I know I didn't miss something somewhere. ("You don't know what you don't know"). An app really would be great.
1347	The regulations are quite confusing. I have a masters degree and need to spend quite a bit of time figuring them out-someone who might be less educated might struggle even more.
1348	The regulations are so complicated you need a Ph.D. To figure them out. Simplify!
1349	The smart phone app is a great idea. Make it happen!
1350	The smart phone application sounds excellent.
1351	the smartphone app where you could purchase and download your license would be really helpful. Subsistence and hunting regulations should be included in the app, keep it all together so you only have to go to one place to find information. Bulleted and concise regulations per resident/non and species is helpful.
1352	The some of the emergency orders seem to be some what arbitrary and at the end of season prove unnecessary.
1353	The UE is convoluted and hard to navigate.
1354	The verb-age used to communicate the regulations. Often need to read more than once.
1355	the verbiage in the reg's
1356	The whole web site experience needs to be re-thought. Difficult to find information.
1357	The wording can be extremely confusing. I would simplify it by making it less jargony/ government language-y, and more how humans actually talk.
1358	The wording is often very legal and inaccessible.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1359	There are times where certain watersheds aren't listed specifically and it can lead to some confusion in determining what is or isn't legal.
1360	There is nothing wrong with catch and release, so it is nice to have good stocks. It is nice to catch fish when a person goes fishing.
1361	There should be less regulations on sport fishing. Also allowing sport fisherman to keep more. Charters are expensive and only allowing 1 fish on a boat is expensive. Also take money out of the local area. 1 fish is 20lbs and 2 fish is 40 lbs. At \$3 per lb processing you are taking away \$60 dollars minimum to the local area to support their economy. Multiply that by 4-6 people per boat and that is big hit to local businesses.
1362	There was some confusion between a short-term sale and stamp on a yearly salmon stamp when ordering off the website.
1363	There's nothing unreasonable about the complexity of sportfishing regulations in this state. Our resources are fundamentally variable and complex to manage; those who choose to engage in our fisheries need to be comfortable with that reality.
1364	Theres nothing to make it easier
1365	These surveys are good - Thank You!
1366	They already do a good job
1367	They already doing a good job
1368	They are doing pretty well now
1369	They are too complex.
1370	They can manage the species on a biological stand point not a popular point. Look at sustainability of the runs not what the political purpose.
1371	They do a great job already.
1372	They do a great job!
1373	They do a pretty good job as is.
1374	Think it works fine now
1375	This app would be a good start in making regs more accessible. I would like to be able to just use it to report my catch as well.
1376	this app you are talking about
1377	This survey is a good start.
1378	This survey, great job . I am impressed you are going to great length to conduct this survey!
1379	This survey. Thanks for giving me an opportunity to provide my input.
1380	This was my first but not my last trip to Alaska. The rules for out of state limits were difficult to follow.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1381	tightly tie regulatory information to CLEAR location information. Often the location description information assumes more local knowledge than I have. It would be awesome if there were a smartphone or web app that I could put the name of a body of water or GPS coordinates into and get the relevant information. Also, anywhere a fish species is mentioned should contain a link to species identification information for that species.
1382	Time stamps on more postings to know when they were posted.
1383	to many regulations, they need to be simplified. give more fish to sports fishermen in south central area!!!
1384	To new to have an answer
1385	To the degree possible make regulations consistent from year to year so there is predictability in planning the trip from out of state.
1386	Train salmon to go after hooks
1387	Translating complex regs for the layperson. Helpful hints on areas and species of fish.
1388	traveling from florida, we obviously want to take as much fish back as possible. it was somewhat disappointing having to keep one chicken and then one of any size. I do understand the importance though, as we have size and bag limit's in our gulf.s
1389	trim the regulations- simplify. more or better public access for walk in fishing?
1390	Trout fishing and when you can keep them.
1391	try to keep them as simple as possible
1392	Try to make the regulations more uniform across the state
1393	Understand better the limit on catching vs in possession.
1394	understanding rivers with laws
1395	Understanding the regulations better is key for me
1396	Unknown at this time
1397	Upates on area fishing
1398	Update the fish counts and let us know when the limits will be increased.
1399	Update their website with current information concerning bag limits on species of fish. Most fishermen book their trips 1 year in advance. Nice to know halibut limits before booking fishing trip.
1400	updated current running reports on main river fishing, 'Russian' Ship' Bird' kenai'
1401	Updates or reminders. We always feel we are not sure that something we see in May still applies in July or August

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1402	Upon regulations being confirmed for any given year, send a hard copy by mail to those who would request one. Having one in hand prior to going fishing would be a good thing.
1403	use consistent format for reporting regulations. There are minor discrepancies in the regulations that leave some room for interpretation. These errors traditionally only occur in rarely used areas off the road system.
1404	Use GPS Coordinates along with textual boundary descriptions.
1405	Use guide who knows Regs.
1406	Use more friendly and comprehensible terms and locations.
1407	Use smart phone to get fishing regulations
1408	Use some of your examples to explain the fishing regulations so they are easier to understand.
1409	user-friendly digital copy of regulations allow valid digital copy of fishing license
1410	user friendly regulations for out of state visitors
1411	Utilize an app for an ADFG / fisher interface could be helpful. After years of fishing in the state, the common features of the regulations across regions are familiar, so I have no problem with their interpretation.
1412	Valid Digital copy of license
1413	Waterproof license holders. Necklace or color coded wristband.
1414	Waterproof wallet sized fishing license & print at home
1415	wave your magic wand and replenish our fisheries:) I hope my kids one day get the awesome fishing I experienced growing up here.
1416	Ways to access information/data using technology
1417	We are very happy spending a week in your wonderful State
1418	We have always used guides/businesses to come up so it's expensive but most of the confusion is eliminated by people who are experienced and do this for a living. Simplicity is the key (because a lot of us are simple people that don't speak legal ease and write regulations for a living). I don't think most people want to violate the law or regulations it's just a lot to process especially your first couple times. I learn more every time I go.
1419	We have only gone once and used a guide. So I think the guides need to have all this information more than I do.
1420	We typically fish Resurrection Bay and outer areas. Occasionally we go into Prince William Sound around Montague area. These are the only areas we use the booklet for. Having specific books for frequented areas may be nice.
1421	Well, just like this survey used for feedback, monthly email with fishing update or Nixle reports on changes that has or will occur in the future.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1422	What ever you can do to increase fishing limits for out of town guests. Limits have dropped drastically over the last 20 years.
1423	What is available now has been fine
1424	what method best to catch fish
1425	What you do now is good.
1426	When applying for a sportfishing license, give the fish count for species in the area of fishing
1427	When I look at a map of a river, its hard for me to know where the fishing holes are, where on a the river do the regulations change, and what tackle is used. some sort of interactive map would be nice.
1428	When I purchase my yearly license include copy of regulations also.
1429	when someone turns them self in for catching a king don't right them up lick you busted them you should put it on the ticket that they turned it in will not trust fishing game ever again! will take fish off the beach before doing the right thing ever again
1430	When talking about the Kenai river keep the whole river refs the same
1431	When there is a bag limit of 3 write it out like this; 2 silver salmon 1 other type of salmon This gets a lot of people confused!
1432	when you put out emergency orders it screws up trips!!
1433	Wording Format is a little hard to understand at times. Simplify it and make it clear what your intent is and where the lines are.
1434	Work harder on preservation. I'd be for a total shutdown for multiple years if it applied to all harvesting. Watched the degradation of fishing in CA, Ore., WA, and BC. I AM FOR MORE RADICAL PRESERVATION PRACTICES.
1435	Work on phrasing of restrictions. For example can I use a treble hook or not. May I use a barbed hook. I felt I had to infer those answers reading guide this year. It's tough as many of us also fish in Canada which is really confusing especially trying to determine what sub area you are in
1436	Work with airlines for more affordable frozen shipping.

Table 18: Comments on What Alaska Department of Fish and Game Could Do to Make Fishing Easier (*continued*)

id	Responses
1437	Work with Commercial Fish to allow more fish into rivers like the Kenai. Reevaluate the accuracy of the fish counters on the Kenai. I have fished the Kenai & Russian River since I was 12 years old. Using the 1.4 multiplier from the old to new counter does not fish the same as when you only had the old counter! There are less fish in the river even with the multiplier added. I believe you have been shorting the river for years since the new counter was installed. I think you should stop the emergency Comm fish openers (reds & kings) before you have reached your escapement goals! At least wait until 75% escapement goal has been reached. You had openers before 25% escapement had been reached!
1438	Works pretty good as it is.
1439	Works pretty well now for me.
1440	Would love to see as much education as possible about particular fish species incorporated into the regulations. Interesting facts, tidbits and info about the various fish.
1441	Write regulations in plain language. Need more of a presence in areas!
1442	yes, write regulations that favor the residents of Alaska, both guides and sportsmen and quit screwing us over for the tourists.
1443	you're doing a fine job.
1444	You're doing GREAT right now. Keep it up!
1445	You are doing a good job.
1446	You could help clear my honey-do list so I could have TIME to go sport fishing...
1447	You could shut down all King fishing on the Kenai river till the numbers come back to sustainable levels.
1448	You do a great job. Please reduce number of dip netting allowed.
1449	You guys were great to deal with the one time I had the privilege of doing so, I look forward to the next time being very much like last year.
1450	You have put so much effort into making fishing fun and within regulations already. All of the captains with whom we have fished have been knowledgeable and friendly.
1451	Your examples on rewriting the regulations were great; sounds less legal-ease and more like talking person to person.

Appendix 3: Open-ended Comments on What Alaska Department of Fish & Game is Doing Right and Should Continue Doing

The following table reports open-ended responses. Three have been removed because they contained identifying information. The remainder have not been edited or changed in any way.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing

id	Responses
1asking for public opinion (like this survey). Continue to operate fish hatcheries.
2	? Only been there once.
3	1.Booklet available when purchasing license. 2.Game enforcement personnel were very professional when they interacted with us.
4	A knowledgeable office staffed with helpful people.
5	A phone app would be nice but I do like having the paperbooklets that are in the stores. They are just easier to read sometimes than looking at a small phone screen.
6	Ability to buy fishing/hunting licenses online
7	ability to get license on line
8	Access to app for license to carry on phone.
9	Access to news releases on ADFG website
10	Accessibility of website
11	Accessing online and booklet is very helpful
12	Active management to protect the fishery is good even though emergency orders and lowered bag limits are inconvenient.
13	Addition of Rainbow planting is welcome and should increase.
14	ADF&G offices should have a 24/7 hotline
15	Adfg has been doing a great job ...keep up the good work!
16	ADFG is doing a good job or regulating the amount of fish taken so it isn't overfished. Sometimes I feel like commercial fishing ends up limiting the sport fishing.
17	Adjusting bag bsed on count
18	Adjusting limits to prevent over harvest
19	Adjusting regulations to protect the fishery
20	Adjusting sockeye catch limits day to day.
21	Advancing their technology and becoming more technilogically accessible.
22	Advancing toward digital license...

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
23	Advertising emergency orders
24	advertising on the radio.
25	Advocating for more money to use the best tools available to do your job. If you need public support with the legislature, ask for it.
26	Again, bringing immediate attention to the changes with them being highlighted in red is very helpful. Also, bring the Prince William Sound and Seward area regulations in line with each other is good.
27	Aggressive management of fish harvest
28	aggressively manage stocks for the health of the stock, fishing only when runs are healthy
29	Aggressively managing the fisheries to ensure they will always be there.
30	AK F&G is doing everything . . . very professional, customer oriented, respectful of the resources.
31	Alaska fish and game is good at managing one species at a time. Whether that be salmon or moose or bears.
32	Alaska fishing regulations are conservative for a reason. The regulations protect the health and survival rates of the fish.
33	Alaska has some of the most friendly and helpful people I have ever met, except....
34	alerting the public of sudden changes and area affected
35	Alerts for a mobile app.
36	All bag limits need to apply to everyone not just sport fishing
37	All in all the ADF&G does a great job.
38	All of the information found on the website is outstanding, especially the fish count tables
39	All the guides and captains seems to really know and take seriously the regulations
40	All the info available on the website is great. I wouldn't be able to get paper regs
41	All the undercover work your doing. You guys and gals are always informative and respectful. While keeping the bad guys and rule breakers from ruining it for the rest of us.
42	Allow easy access for public fishing
43	allowing children to fish w/o license.
44	Allowing guides to sell licenses on your behalf
45	Allowing licenses to be stored on smart devices

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
46	Allowing online Harvest reporting
47	Allowing online out of state licenses
48	Allowing spear fishing of salmon. I pay the same license fees as everyone else and appreciate the fact that you treat me equally.
49	Allowing sport fishing
50	Allowing us the right to fish.
51	Always doing a great job! And further more by looking into technology advancements is on the right path!
52	Always troopers and park rangers present in areas where we fish.
53	Annual print of the regulations available at retailers
54	Answering questions by phone call, would much rather have an app
55	Appears to be doing fine.
56	Are a very professional and dedicated group.
57	As a group you do a pretty good job of communicating and promoting fishing.
58	As a non resident I appreciate your interest in including me in this survey. It is a pleasure to fish in Alaska!
59	Ask for public opinion and willingness to change how the message gets out
60	Asking for ideas like this survey is good
61	Asking for Info from fisherman.
62	Asking for input from its customers!
63	Asking for Sport fishing comments, survey's, etc.
64	Asking for the general publics opinion is a great thing.
65	asking guys like me for input.
66	Asking public opinion. Keep it up.
67	Asking questions is good
68	Asking questions on how to improve.
69	Asking sport fishermen and women for their input
70	Asking the people how they can be if assistance through surveys.
71	asking the publics input
72	Attempting to give sport fishermen better opportunities to fish.
73	Availability of reg booklets.
74	Balancing harvest and supply.
75	Be able to buy fishing hunting license online and file hunt reports
76	Be able to buy licenses on-line
77	Been here 4 years never seen one game warden.
78	Being aware and active in taking care of the fish population

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
79	Being behind the emails I send
80	Being persistent in getting feedback. Really gotta app feed people these days. These surveys get the point across that ADFG wants to improve and has interest in its serviced population. It's one of those fits you just can't stop pursuing. Look forward to that App.
81	being proactive about making the regulations user-friendly
82	Being proactive to stay current and adapt to the needs of the anglers.
83	Being willing to close rivers to protect endangered species. Prohibiting open cage fish farming.
84	Being willing to communicate online
85	being woefully understaffed so that I rarely have to see your dumb asses
86	Better communicate emergency orders
87	Book of regulations I usually get at Fred Meyer
88	Booklet of regulations
89	Booklet, bulletin board.
90	Booklets are available at most sporting good stores, grocery outlets and offices. Continue to make publications available for free.
91	Booklets are still good to appeal ages/people with different attitudes about technology
92	boundary descriptions are pretty comprehensive - about where the line is to stop fishing.
93	Breaking each region down in a booklet.
94	broad distribution of emergency orders.
95	Broadcasting emergency orders on local radio, working with local schools with salmon in the classroom to develop next generation of fishermen who understand how and why fish are regulated.
96	Broadcasting on many different platforms. Continue to cast a wide net!
97	Buying licenses is super easy.
98	By soliciting this survey, you are actively looking at how to make ADF&G more effective and user friendly for all fishermen and women.
99	Can't really think of any thing been fishing in Alaska as long as I can remember and it get worse every year
100	Cannot really think of anything you are doing wrong so its all right to me
101	Care management keeping fish numbers sustainable
102	Carefully watching species numbers so that none would become extinct
103	catch and RELEASE rainbows

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
104	Catch and release needs to keep being emphasized
105	Catch and release of king salmon on the Kenai River drainage system
106	catch and release of rainbow trout
107	Catch and Release on Chena River
108	Catch and release on the upper Chena River; closed to salmon fishing on upper Chena and Salcha. I like the single hook idea, but how about also including barb-less treble hooks for grayling? (Since almost all spinner baits have treble hooks)
109	Catch and release rainbow fishery on the Kenai has been managed well.
110	Certainly post EO's. This would be a good smartphone thing as well
111	Change some of the regulations for netting at inlets to allow more fish to spawn. At this rate - we are headed down a dead end road.
112	Changing things to be better
113	Charge for a fishing license
114	Cheap prices. Keep regulations more open, less restrictive.
115	Cheaper license for out of state fishermen so you get more business for the state
116	check local regulations for compliance and licenses
117	checking charter fishermen and what they have on board. but need to check those loges more
118	CHECKING FISHING LICENSES
119	Checking for licenses.
120	Checking for safety equipment in the people's boat
121	Checking licenses and trying to get poachers! And trying to save the big sue kings
122	Checking people for licenses frequently. Asking the public how they would be utilize information and what type of information.
123	Checking people to make sure they have a license and are fishing legally
124	Checking that people are in compliance with regulations!
125	Chinook Management & Emergency Orders
126	classes- I love the BOW classes
127	Clear separation of Non_Resident regulations
128	clear sign postings at fishing sites
129	clear, detailed guidance; web app
130	Close commercial fishing until thr residents of Alaska catch their fish.
131	Close fishing when low runs are happening, before it is too late.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
132	close king for a whole cycle 4-5 years
133	Closer monitoring of the commercial fishermen.
134	Closing an area when fish counts are low.
135	closing clamming. well done.
136	Closing fisheries when it doesn't look like escapement will be met.
137	Closing fisheries when needed.
138	Closing fishing when escapement goals are not being met
139	Closing natural run coho salmon in bodies of water that have such runs. I would love more options to fish for cohos and I believe allowing the runs to rebuild is a good call. Needs to be atleast 1 full cycle if not 2.
140	closing or limiting the taking of reduced species
141	Closing rivers and ocean when the return for kings and other salmon are low return
142	Closures if numbers are suffering.
143	Color coating regions
144	Color photos of fish species
145	Communicating and informing the public on rules and regulations on areas being fished and posted signs.
146	Communicating emergency and other info by email
147	Communicating with sportsman
148	Communicating with us. I have seen all the openings and closing on Copper River and about the Moose hunt in our area.
149	communication and outreach
150	Communication through the internet
151	Communication with our outfitter
152	Conducting this survey
153	Conser active management of halibut by region. Advocating release at depth for rockfish.
154	Conservation and management. You're doing a great job so please keep it up.
155	Conservation is great!
156	Continually trying to improve
157	Continuation of science and research of fish management to ensure the protection of species for future generations
158	continue breaking down the specific areas but make smaller areas in booklet
159	Continue conservation efforts to protect both commercial and sport fishing
160	Continue current limits of salmon.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
161	Continue doing everything you're doing.
162	Continue doing your poor job of fish management and by all means don't take advise from people with common sense who know that salmon spawn in the rivers. nets don't care what kind of salmon you are oops to late to think about it now. you can just blame it on someone else.
163	Continue improving the on line information and use of on line licensing and hunter tag input
164	Continue making fishing regulations easy to access and allowing online purchase of various tags, licenses, and permits.
165	Continue making it easy and inexpensive to buy short term non-resident licenses.
166	Continue managing the fish population. Good call closing Anchor, Deep, and Ninilchik this year
167	Continue posting fish counts, which helps those fishing evaluate if they should or should not fish on a given day.
168	Continue printing and distributing the regulations.
169	Continue printing hard copies of regulations
170	Continue protecting our resources!
171	Continue protecting the fisheries from abuse.
172	Continue sharing catch information.
173	Continue stocking lakes with decent size fish
174	Continue their webpage
175	Continue to add and improve On line maps and charts of waterways
176	Continue to answer questions and clarify regs.
177	Continue to close down areas during low king salmon runs. Shut down or severely cut back on purse seiners.
178	Continue to cut king seasons for sport AND commercial to re-establish the population. Do away with them both for a few years if you have to.
179	Continue to enforce fishing regulations to protect species for enjoyment of all alaskans.
180	Continue to have loaner life jackets at lakes.
181	Continue to improve access to information
182	Continue to keep strong oversight on fishing and regulations to keep quality high

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
183	Continue to limit KING Salmon fishing until the runs can sustain sport fishing demands and increase the limits for commercial fishing to help promote growth of species.
184	Continue to make available the regs so that all people know what they are in their area.
185	Continue to make the sport accessible for anyone who wants at least a once-in-a-lifetime experience!
186	Continue to manage the resource for future generations and provide a balance between commercial fishing seasons/sports fishing and escapement goals.
187	Continue to manage your natural resources much as you are currently. Possibly show how projects such as pebble mine are detrimental toward all wildlife and keeping AK truly wild as much as possible.
188	Continue to monitor commercial fishing areas, for bag limit etc.
189	Continue to place the sustainability of the Natural Resources as the priority. I come to Alaska to find a 'land' where fish are abundant to catch and have found that each time.
190	continue to preserve our natural resources.
191	continue to print paperback hard copies for distribution even if you do make an app.
192	Continue to protect the fish species for future generatins
193	Continue to regularly fine tune regs to reflect the needs of different areas and species.
194	Continue to require catch & release for trout in the Bristol Bay Rivers.
195	Continue to restrict catch limits as needed to preserve habitat and good fish populations
196	Continue to see that there is a need for a change and to adapt to it
197	Continue to stay up with the times
198	Continue to work the crowds, dressed like your average angler and bust out the 'that's a nice fish, can I see your license?'
199	Continue utilizing emergency orders as necessary
200	Continue what you are doing (without stagnating). Your information and print was quite refreshing
201	continue with paper version of sport regs
202	Continue with the paper regulation booklet
203	Continue your check on fish count and adjust fishing or not to fish as needed
204	Continue/increase field checks to ensure compliance to maintain future species populations. Continue data collection & research on the species populations.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
205	Continued conservation and closures when needed to sustain future runs
206	Continuous improvement. Keep up with technology. I should not have to have a paper license on my when in the backcountry.
207	Continuously trying to find new ways to improve its reach to sport fishermen
208	control fish population
209	Control the stock natural for the future
210	Controlling by catch
211	Controlling commercial fishing limits/access and the amount of guide permits issued.
212	Controlling commercial harvest limits so as to allow a sufficient quantity of fish for sport fisherman as well as flourishing of the species.
213	Controlling limits but in a similar format
214	controlling over fishing even if it means reducing the number of licenses or increasing the fees
215	Controlling the fishing to maintain stocks.
216	Controlling the harvest by the commercial fishermen.
217	conversation of species
218	counting and regulating
219	Counting escapement numbers and regulating fishing based on the numbers
220	Counting fish and posting no fishing in order to save the salmon
221	Create an app that shows where you are and the refs that apply to where you are fishing.
222	Creating opportunity for youth to get involved.
223	Cur the amount of commercial fishing!!
224	current email updates
225	current info is good
226	Current phone info is good. The number should be highlighted
227	Current publications are good
228	Current publications on regulations and seasons, both general and specific to a certain region, are well organized and easy to use.
229	Cutting off areas of bank that should be saved on water ways. Continue with the app and make it for hunting too.
230	def get the emergency orders out better. also try to have the fish cops be a bit more engaged with the public. don't be afraid to talk to us! we like you!
231	Definitely need to control the netters!atwell
232	Delivering the license on line

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
233	develop the app. Make regs clear.
234	Digitizing the license process
235	Distributing booklets to local outdoor stores for customer use
236	Do more surveys and follow through with what's on the survey.
237	doing a good job as far as I can tell
238	Doing a good job managing commercial catch
239	Doing a good job of managing the fishing resources, and providing opportunites to fisj
240	Doing a lot right - we have greatly enjoyed our trips to Alaska!
241	Don't know as I only fish once a year
242	Don't know of anything right off hand
243	Don't know, hopefully they are doing a good job of managing the fisheries. Limits have dropped drastically over the last 20 years. They have only gone down so there must be something they can do better.
244	Don't know, I rely mostly on word of mouth from my family.
245	Don't visit your website often enough to comment
246	Ease in obtaining a license on line
247	Ease of access via internet.
248	Ease of buying license on line 6 Cohos a day in Southeast 2 Halibut a day for self guided
249	Ease of getting license online
250	Ease of obtaining permit
251	Easy access to booklet and being able to buy licenses online
252	easy access to booklets.
253	Easy access to information and regulation
254	Easy to buy tags and licenses on line for out of state fisherman
255	Easy to find EM orders on the web site
256	easy to find fish reports on website
257	Easy to navigate website
258	Easy to purchase license and attempting to sustain King salmon population.
259	easy to read hard copy regs
260	Easy to understand license regulations
261	Education of the youth.
262	Email communication.
263	email update system that was started is good.
264	Emailing emergency orders

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
265	emailing updates regularly
266	emails about when the season is begining and ending the few reports about others who game fish and hunt etc
267	Emails of the emergency orders is great
268	emails with opener updates and fish counts
269	Emails, online information
270	Emails. Booklet. I think there was a slight raise in fees. There should be another and another. To fish in this exotic location versus, say where I'm from, Illinois, very cheap here.
271	emergency closer and monitoring fish
272	Emergency closures to preserve fish populations
273	Emergency order notifications
274	Emergency orders and fish counts on the call in number. Though I wish they were available at a consistent time every day. The earlier the better. Some years the new days reports are, time wise, all over the place.
275	Emergency orders are prompt and well advanced
276	Emergency orders that alter take based on catchment are a very useful and productive management tool.
277	Emergency orders to close down fishing. Hopefully it's not too little too late.
278	Emergency orders to ensure escapement is achieved
279	emergency orders. need to keep commercial as well as sport fishermen out if numbers continue to drop so the fish can come back stronger for more generations to come
280	enacting emergency closures due to low fish count
281	Encouraging the public to take advantage of the outdoors but also expressing the importance of respecting nature & following guidelines.
282	encouraging youth to participate
283	Enforce laws implemented.
284	enforcement of orders
285	Enforcement of regulations and stopping poaching.
286	Enforcement of regulations on tourist.
287	Enforcement of the rules
288	Enforcement on bag limits In local streams
289	Enforcing permits and illegal catch
290	Enforcing regulations

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
291	Enforcing regulations - setting example sucks but necessary. Also - good licensing fees for Alaskans vs. out of state vacationers.
292	Enforcing the law and putting out very good information on fish counts regulations by geographic area as well as state-wide
293	enforcing the regulations
294	Enforcing, my siblings and I often sports fish, mainly trout for fun. Catch and release, but we run into a lot of people over time who over fish in other words poach these type of fish. Even salmon and other types of fish, we've been fishing for years and have seen an increase of fisherman and with that comes increasing amounts of dishonest fisherman and poachers. The continuation of enforcing the laws and preserving this valuable resource in Alaska is something that will ensure we will continue to have it year after year and for our future generation.
295	Engaging the public but taking their ideas in matters of management lightly as science should rule management
296	Entering license on computer instead of paper copy
297	EO's in a timely manner
298	EO and fish counts and many more actually. It's been pretty good system. Also the email I've been receiving is awesome.
299	EO closures Trying to make things better ie this survey
300	EO Hotline, fish hotline, and overall management of the resources
301	Escape numbers high for future fish
302	Establishing limits based upon fish populations
303	Every encounter with an ADF&G person has been positive! (prox 5 times over the years)
304	Every thing i have seen is good
305	Every warden was very easy and pleasant to talk to. I am sure they get tired of dealing with us tourists, but thanks for being kind and patient with us!
306	Everything being done currently has worked for me and my family.
307	Everything. Can't wait to go back up.
308	everything. STOP PEBBLE MINE
309	Excellent at responding and competent
310	Excellent interactions with the public, in person and by phone. The folks in Sitka are very helpful and friendly.
311	Excellent job protecting the longevity of the resource
312	Fairly easy to obtain license on line.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
313	Fight Against Salmon/Fish Farms. They are no good for humans or the environment.
314	Fight politicians , commercial fishermen. Do what is right for the fish. Moderation is the key. Should be enough fish for all concerned. Commercial fishermen have such good gear, they wipe out the fish runs.
315	Fighting the good fight. I appreciate the opportunity to go out and catch decent fish. There are still many that abuse the fisheries but i suppose there will always be those people
316	Fish and game is awesome. I understand that the commercial and sport fisheries fight a lot but you do regulate the fisheries very well here in Alaska.
317	fish and game website is great for it's intended purpose
318	Fish count and emergency orders
319	Fish count information is great and easy to use. License purchase online is also good.
320	Fish counting per day
321	Fish counts are easily accessible and awesome.
322	Fish counts on Russian
323	Fish counts updated promptly
324	fish counts, remove from water keeping fish
325	Fish counts...seeking feedback is very important
326	fish Identification photos
327	fish stock maintenance
328	Fisheries in AK are wonderful, keep up the good work managing harvest and habitat!
329	Fisheries management. Consider more mandatory catch and release rules.
330	Fisheries management. Deciding when to open and close fisheries when the fish counts and escapement goals are not being reached
331	Fishing regs are readily available and the quality of print is fantastic, which makes the rules easy to attain.
332	Focus more on the sports fisherman and stimulating your towns economy
333	Focus on the resource. Closing rivers when they are threatened. Fighting to ensure lobbyists don't get sport fish for there trawl industry
334	free hardcopy regs at local stores
335	Frequent updates and clear regulations. Don't make any wording confusing
336	Friendly and helpful staff in Palmer office.
337	Funding current hatcheries

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
338	game limits and other wildlife conservation
339	Game wardens are usually out there checking. They already make regulations and changes pretty clear to this of us that pay attention.
340	General regulations seem clear in Alaska.
341	generally keeping the fish stocks healthy although the lingcod quota is quite low considering the healthy stocks.
342	Generally well laid out easy to understand regulations.
343	generating \$ with permits to fund resource management (Hawaii has no way to generate \$ for our program)
344	Getting better about communication through technology.
345	Getting better, protecting environment
346	getting emergency orders out
347	getting feedback from fishermen
348	Getting feedback from fishers as you are doing now
349	getting fishing license online
350	getting input from sports men and women
351	Getting Kenai back to producing lots of large fish
352	getting licensing on line
353	Getting more subsistence representation on the board of fish.
354	Getting regs out to various locations
355	Getting sportsman feedback
356	getting the fish count out quickly
357	getting the info out
358	Getting the information out to the public.
359	Getting the regs out early enough to plan & breaking them into regional regulations books
360	Getting the word out about emergency orders- you all are doing a good job of this. Keep it up.
361	Getting with the times and allow digital licenses.
362	Give more rights to self guided fishing
363	Giving sport fisherman opportunities many states dont give due to commercial fisheries
364	Good booklet with useful maps
365	Good information and maps which show regulations for that area
366	Good job at updating webpage/stocking info

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
367	good job getting the rules & regs out there. everyone on the rivers in 17 knew the rules.
368	Good job on executing emergency orders if need be
369	Good job sharing information. Information is clear and easy to understand.
370	Good maps of the various zones and easy to find the difference between guided and non guided regs.
371	Good service at the rivers, good cleanup
372	Great communication every year
373	Great customer service
374	Great customer service. I enjoy talking to the people who work for AK F&G and they are always very helpful.
375	great job stocking lakes tons of info online which is great - just needs to be organized
376	Great print and online regulation booklet. Humans to answer phone and in person who care about answering questions accurately and educating.
377	Great resource, but confusing regulations.
378	Great system and management so far. Keep up the good work.
379	Great, knowledgeable staff
380	Happy with ability to buy an additional halibut from our boat operator.
381	Have a way to get a 1 day license
382	Have information readily available
383	Have more wardens at the Centennial Campground fishing areas. Long time campers take multiple limits throughout the day.
384	Haven't fished in Alaska enough to know what is working. The guides help keep things straight. Looking forward to fishing up there more.
385	Having a booklet available and having it online.
386	Having a local presence at the docks.
387	Having a printed booklet is handy even with other online resources
388	Having access on line and issuing licenses on line. Having other stuff available.
389	Having more law enforcement patrolling. Getting current regulation and closure methods updated more often using more avenues
390	Having no money so they can't mismanag fish stocks any worse than they already do.
391	Having online licenses available
392	Having paper pamphlets available to pick up at sports outlets and grocery outlets and anywhere you can get a license.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
393	Having presence in the field enforcing the rules.
394	Having printed booklets easily accessible at sporting good stores
395	having regulation on front pages are a good step and bag limits on each locations are printed next to that particular area.
396	Having several ways to access information including keeping the paper copy.
397	Having somewhat strict regulations on sport fishing. Fishing in Alaska should primarily be for subsistence
398	Having the book in hand before and during the fishing trip is great. Having the website is key also, to be able to look for EO , updates, etc.
399	Having the emergency order info available
400	Hearing quickly about emergency orders or other changes
401	Help us out of state fishermen
402	Helpful staff in offices!
403	Highlighting changes in front of regulations
404	Hire and increase sport fishing inspections and monitoring in heavily fished stream bank areas during peak periods of all salmon runs.
405	Historical fish counts per area/per month. Pictures of fish in regulations booklet, maps in regulations booklet.
406	Hmmmm good question. Continue to peruse building an app
407	Hosting info on the web
408	I'm good with it all
409	I'm satisfied with how it is working now.
410	I've actually heard from local tv and radio reporting emergency closures while in Alaska. People there are much more in tune with what's happening.
411	I've had only positive interactions with F&G, the folks I've seen while fishing have been reasonable, firm, but generally communicated that they WANT us fishing and accessing the resource...just within the guidelines; which they happily remind or inform us of. interactions with office staff have been equally pleasant.
412	I've seen regulations from other states. I believe ADFG regulations to be far better for understanding than all other states I have seen. but there's still room for improvement.
413	I am concerned about conservation of the environment, and I believe the ADF&G is doing their part to preserve the different species of fish and wildlife. The emergency stop fishing orders are a must, even though difficult to inform the fisherpersons.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
414	I am happy you are concerned but I realize that many Alaska residents LIVE off of the fish they catch for survival during the year.
415	I am not aware of any real problems, but I hunt more than fish.
416	I am satisfied with the way things are run now.
417	I am usually able to call the office and talk directly to someone who can answer my questions
418	I am very new to this, so I don't have any input
419	I appreciate the balance between commercial openings in Cook Inlet and the dipnet fishery. I hope the set netters can continue their family businesses and lifestyle.
420	I appreciate your monitoring fish levels and limiting creel limits to help improve fish species numbers.
421	I believe ADF&G is doing a good job considering how much money they have to accomplish their goals. Thanks for restricting the fisheries when the returns are low!!
422	I came back to Kodiak to fish for the first time in 10+ years. I thought it was very easy to find regulations and limits.
423	I can't think of anything right now
424	I do believe that the fisheries in Alaska are well managed by conscientious well intentioned people. I believe that everyone is doing the best that they can but I am concerned how funding impacts are effecting the quality of the data that is being used to make decisions. The fact that there is so much opportunity for public participation is a good thing.
425	I do like how Alaska monitors each species by region and closes seasons if numbers are low or quotas have been met. I wish MN would be more restrictive actually.
426	I do like how the current regulations book is broken into regions listing specific waterways.
427	I do not have any problems with the other regulations.
428	I do not have enough experience to answer this question.
429	I do not know. I have only been to Alaska once, but, I would like to return.
430	I do not see a need to change them.
431	I don't believe ADFG should be providing how to guides and tips on sport fishing. I don't believe this is a role the management agency should be taking on.
432	I don't even know what you really do

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
433	I don't have issues using the regs when I can find them. It has been difficult in the past to find the booklets. I have downloaded and printed the PDFs, but having them on my phone would be great.
434	I don't use the regulations enough to have any input. My fishing time in Alaska is limited every year.
435	I don't have anything to add to this
436	I don't know what you do specifically. But if you listen to my suggestions, you will be doing things right
437	I endeavor to comply with regs, fishcops are generally professional and pleasant
438	I enjoyed both of my fishing days. It was nice there were fish to catch
439	I feel like the information is already pretty well disseminated for people who are paying attention and interested.
440	I feel like they are currently doing a pretty good job because if I need clarification a local POC is almost always in the know.
441	I feel the website, booklet and being able to call in with questions is sufficient. But, I'm intrigued about the idea of a ADF&G app.
442	I find all the info I need is already available
443	I find the maps and line drawings of river drainages and areas to be helpful.
444	I find the regulations to be clear and understandable.
445	I found everything to be pretty easy to follow when fishing in Alaska.
446	I guess put any urgent or important info in as many places as possible for physical and electronic
447	I had to send an email to clarify number of hooks for a specific area. I received an answer back and it was very clear and easy to understand.
448	I hardly fish anymore. couldn't really say. I understand with the growth of fishermen, there is bound to be more rules and regs. I appreciate you folks trying to stay on top of it.
449	I have a positive view of you guys
450	I have always been able to find the information I need on the web site.
451	I have enjoyed personal contact and explanation at the dept. office.
452	i have no problem now
453	I have nothing nice to say so I won't say anything
454	I haven't been in Alaska long enough to make an educated comment.
455	I heard plenty of news last week while in Juneau and Anchorage about the emergency order on copper salmon

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
456	I like being able to buy my fishing license at multiple locations as well as online. Being able to find regulations at convenience stores helps a bunch. Keep it up!
457	I like being able to talk to a person when I call the office
458	I like getting emails
459	I like how regulation information is accessible to find and straightforward
460	I like how the regulations are split into regions and then drainages.
461	I like how they monitor catches in the charter boats. I'm from Pacific Northwest and guides almost never get checked by law enforcement or fisheries biologist. Most And fishing opportunities are written and given to benefit rather than the residents that live there.
462	I like looking at the maps with info.
463	I like that it is broadcast via television news and via email notifications about any emergency changes.
464	I like that someone almost always seems to answer the phone at the office, if there is a question regarding how the regs are written.
465	I like that they were taking pics of my family fishing for kings prior to open. We were releasing our catches, but we liked them trying to catch those that dont follow the rules
466	I like that you are looking at more plain language regulations.
467	I like that you are now emailing reminders to get my fishing license. Thank you!
468	I like the annual booklet and your front desk staff always seems knowledgeable. Keep up the good work.
469	I like the emails I get with updated information
470	I like the fact that all of the local sporting good stores and grocery stores generally have a large supply of paper copies of the fishing regulations! Always handy when your phone dies or you are in a poor coverage area.
471	I like the format of the current sport fish regulations booklet. An application which informs me of the emergency orders would be a great enhancement.
472	I like the format of the regulations and I feel like I generally understand most of the regulations for fresh and saltwater sport fishing in the south central region.
473	I like the how-to & identification information that goes along with all the regulations.
474	I like the idea of an app for my license and important information. I like getting emergency orders on radio too.
475	I like the idea of developing an app.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
476	I like the management approach by drainage
477	I like the map layouts in the paper booklets, and you have one of the best website layouts in the country, given how much diversity you have to cover.
478	I like the option of a paper handbook of regulations.I like the fishing reports on the local news, and also the report in the paper. I just wish we would go fishing more than once or twice a summer....
479	I like the paper booklet, and its layout. Maybe I am just acclimated too it, but i think it is 'right'.
480	I like the paper booklets, I tear out pages and take them in the field. I like different books for areas
481	I like the paper regulations because you don't always have connectivity in this state.
482	I like the printed booklets.
483	I like the regions and maps that define locations.
484	i like the regs on the kenai
485	I like the separate region information on the website. Easy to find if you know your region.
486	I like the stream maps showing with color-coding showing what areas are legal to fish.
487	I like your newsletter.
488	I liked that someone was on the river telling us there was a emergency closure on kings when on the nush.
489	I live in Hawaii and really appreciate the strong conservation guidelines your department institutes to protect the natural wildlife in Alaska. I wish we had similar support here in Hawaii. It's nice to see the state government place a high priority on this mission.
490	I live too far away to help you
491	I look at your website every year and was happy to see the information on how to fish for Rainbow Trout in lakes. Also had the best times to fish. Loved it.
492	I love being able to call and talk to our local fish and game to get information on the go.
493	I love being able to purchase my license and tags online and printing them on my home printer. This is even great for my out of town guests to purchase their 1 or 3 day fishing licenses immediately before going fishing when the weather is right. (Saves us a trip driving to town)
494	I love buying my license on line

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
495	I love how ADF&G WANTS people (especially kids) to fish! It's refreshing to see a management that includes and encourages users- I love that you loan out gear, the fish hatchery downtown was fun to visit with my child's class on a field trip!
496	I love that you allow fish remains back into the water for other wildlife to benefit from.
497	I love the fish counts and look at them daily
498	I love the online renewal notices by email and the online license process... so easy! And I love that I can buy the next year's license before the new year starts. So convenient.
499	I order my license on line. This survey is in right direction. Providing necessary info to radio and newspapers
500	I personally still like the booklet you pick up at the sporting goods store as well.
501	I really don't know.
502	I really enjoy having a physical copy of rules & regulations to carry with me
503	I really like the ability to sign up for email updates on different regions. Great tool!
504	I really like the fish count data
505	I still like to have hard copies, so printing the booklet of regulations is still useful as well.
506	I support the ultrasonic and video monitoring of the spawning numbers for any and all watersheds, and I support the use of emergency restrictions for population management, esp. where populations are at risk (Kings esp.)
507	I suppose I'm happy with what you are currently doing, but I think it could use some updating to current technology (your proposed smartphone app).
508	I think ADFG is doing a good job on managing a healthy fish population/fishing opportunity.
509	I think ADFG is doing a pretty good job of trying to keep up with technology, as evidenced by this survey. Keep it up.
510	I think everything they works just fine.
511	I think highly of the department and have no complaints. Fishing is fishing - some days you catch more fish but that is the way it goes.
512	I think regions are generally logical, and I have never experienced any real difficulty in interpreting or utilizing/following regulations.
513	I think that ADFG does a fantastic job regarding fish preservation.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
514	I think that the information is presented in a very detailed yet understandable way, I also like that everything is available online and it is easy to reach staff by phone if needed.
515	I think that you are doing a wonderful job
516	I think the ADFG website for regulations has been helpful, for the most part. It is easy to find general regs, EO's and fish counts. Maybe having a more interactive regulation product may help, i.e., being able to click on a link if there is a cross-referenced area of regulation.
517	I think the booklet is very comprehensive.
518	i think the booklet regs are easier to used than past years
519	I think the regs are generally good. Protect the fish and the rest will sort itself out.
520	I think the regulations are pretty clear and easy to understand.
521	I think the state of Alaska does a pretty good job of stewardship over their fishery. i.e, the state has realized that all the mistakes made by the rest of the lower 48 states; (dams; overfishing, mining) Hopefully the Pebble mine will NEVER be built.
522	I think things are going well now.
523	I think y'all do a good job as it is.
524	I think yo are doing a great job.
525	I think you are doing the right thing by protecting the long term fishing for prospects for future generations. Please keep doing that.
526	I think you guys are doing a great job! I understand how hard it can be and how much backlash you must get.
527	I think you have done a great job with your publications and your websites. Available and usable, but a phone app would be even better!
528	I think your basically doing a great job with the resource.
529	I thought the information given to me when I purchased my non resident license was clear and gave me confidence I could obey regulations when I came to fish in Alaska.
530	I use and like thecall in #s to hear fish counts
531	I use the printed booklet today and I think it works well, but considering the technology available today, a smartphone app would be so much more useful
532	I usually fish in the same area every year (near family cabin) and have always been able to find the regulations for that area easily
533	I usually see a good presence of fish and game troopers when I am out fishing

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
534	I was impressed with the overall locations, parking signage etc - not sure what department is responsible for what in Alaska
535	I wish alaska important Lifetime Sportsman's License (includes Hunting, Freshwater Fishing and Saltwater Fishing licenses; and Deer Moose, Black Bear ... Archery, Muzzleloading Gun, Crossbow, Waterfowl,...
536	I wish wa st handled there game regs as well as you done
537	I would be in favor a more catch and release regulations
538	I would love to get the app
539	I'm ok with the way things are going
540	I've been perfectly happy with your performance to date, especially your monitoring of European tour guides to prevent "industrial" sport fishing for their client's home markets.
541	Identifying species
542	If guides are informed, we are informed.
543	If you know when and where you're going, you can find your regulations. That's good.
544	Improve the fisheries.
545	Improving bc the website to make it easier to do business
546	Improving communication is always helpful.
547	Improving web based products for an example the ease of renewing license
548	In general we think ADFG manages the fishery tremendously, with some hiccups here and there (i.e. Salter sockeye above)
549	In general, have appreciated the ADF&G since 1969. Easy to work with and understanding when I've done something wrong unintentionally.
550	In general, I think ADF&G does a good job. I don't find the sport fishing regulations hard to understand.
551	In general, rangers are very professional, helpful.
552	In my opinion everything y'all are doing is working. Only thing I would have to say is let out of state visitors dip net.
553	In our regions when they are doing everything from testing, checking and making sure people have their license and the best for all around
554	in season management, communicating EO's
555	In spite of protest of complication, I do appreciate what seems to be a serious effort at conservation.
556	Increase limits when fish counts allow it.
557	increase out of state prices and lower their limits

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
558	Increased budget for more Wildlife Troopers. I encourage more presence during the dipnetting season at the mouth of the Kasilof River
559	Increased limits for sport fishing
560	Increasing the numbers fish in each popular sport fishing class.
561	Inform Alaskans about fishing
562	Information is always good
563	information is available if one is diligent
564	Information through radio is great!
565	informational signs at the start of trails to notify of fishing regulations or possible dangerous wildlife in the area
566	Innovating how to best communicate
567	integrated, sustained management philosophy
568	Internet license purchase.
569	Internet sale of license is awesome
570	It's a huge state with a lot of different local needs. For the most part I think ADF&G does a fantastic job with the resources they have. We will all have our little complaints and frustrations but ADF&G manages an area the size of a 1/3 of the rest of the US combined without an equal sized budget.
571	It's very easy to obtain a license and regs
572	It is a great place to live and fish. Give alaska residents both native and non-native of the state better fishing rights than wealthy tourists who visit from other places.
573	It is an awesome task to attempt to produce accurate measurement techniques and controls for such an large and diverse place as the fisheries of Alaska. My hat is off to those that are trying to make these resources be around for future generations.
574	It is doing very well to maintain the Ecosystem through regulations of quantity and weight of the King Salmons and other species
575	It is super easy to buy a fishing license online, for residents.
576	It was a good idea to shut down sockeye fishing due to low numbers but what about all the fishing right at the mouth? Could this be why the numbers are so low? No fish can enter the river? Seems like so many nets are always set rights at the mouth of the Buskin.
577	it was very easy to get my license, I bought it at the small market but next time I would but it before getting there from the ADF&G.
578	It's a complex subject and ADFG does a fairly good job communicating in the regs.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
579	It's easy to tell that ADFG wants a sustainable future of the salmon stock. That's good. If we need to shut it down, we will understand.
580	It's pretty good the way it is I chartered a trip and everything was easy
581	Its all good with me. Thank you.
582	its good you are trying to get feedback to make the info more accessible and understandable, but I think it works ok now.
583	Just keep the information easy the understand , along with the regulations .
584	just keep up the good work
585	Just keep updating us on your website
586	Just wanted to say thanks for protecting our King Salmon, keep up the good work.
587	Keep people informed
588	Keep a recreational fishery going
589	Keep Alaska's fish population strong
590	Keep announcing the fish counts. Why can't the data be in real time or faster than 24 hours?
591	Keep asking the sportsmen for suggestions. Use the appropriate ones.
592	Keep being proactive and helping to conserve our resource so all can enjoy.
593	keep conservative limits on salmon
594	Keep doing the booklets. I love having a hard copy because even though phones are very accessible they can also be unreliable.
595	Keep doing the same things.
596	keep doing what they are doing now, im pretty much involved before I go fishine, e.g. knwo the regs, but if there's an EO, we should know it by any means.
597	Keep doing what you have been doing.
598	keep everything as is
599	Keep fighting on against mining in sensitive areas. I can easily follow through your regs on any waterway I am going to.
600	Keep fish counts (especially Kenai River sockeye) coming as early each day as possible.
601	keep issuing a paper booklet
602	keep it Alaskan regulated and keep the feds out of it
603	keep it easy to get license
604	Keep it simple and easy to read

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
605	Keep it simple... The more complicated things are the more likely it is that I'll get it wrong.
606	Keep it up. Like the booklets but websit prob cheaper. One issue is theater where I fish there is no cell signal, so online licenses would need to be a pic. And I would need a chaarge for ph
607	Keep looking into a phone app, that sounds like a good idea.
608	keep looking out for those abusing the regulations
609	Keep making fishing available.
610	Keep making the paper booklet
611	Keep managing for sustainability and in state residents
612	Keep managing so we can all fish and hunt and understand the regulations
613	Keep monitoring commercial fishing.
614	Keep monitoring the riverbanks closely for fish poachers
615	Keep on contacting people who regularly fish in Alaska
616	Keep on keeping our resource safe and manage conservatively during this uncertain time regarding ocean conditions.
617	Keep on keeping the resource healthy
618	Keep posting and sending alerts in addition to exploring more ways to communicate emergency orders.
619	Keep posting the regulations on stream side signs
620	Keep printing paper booklets
621	Keep printing the regulation booklet. I often go sea kayaking or canoeing for 2-4 weeks at a time, and do not use a smartphone or computer during this time. These trips are often in areas I do not normally fish, so I need to see the regulations rom make sure I am fishing legally. The paper copy is vital to someone away from electricity.
622	Keep protecting rockfish.
623	keep protecting the fish populations for future
624	Keep raising fish for the rec catch and the commercial catch.
625	keep regulating the fisheries. we need to maintain more returns, to make sure we have more to catch sport and subsistance.
626	Keep regulating! Keep gathering data.
627	Keep regulations moderately strict to help maintain a healthy fish population and environment.
628	Keep righting tickets to those overharvesing
629	Keep showing the species retention summaries at the beginning of the sections.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
630	Keep sport fisherman informed
631	Keep stocking the lakes for the kids!
632	Keep the cost of licenses low
633	Keep the fisherman from snagging the fish.
634	Keep the fishery healthy and sustainable.
635	keep the fishing quality!
636	KEEP THE INFORMATION FLOWING
637	Keep the outreach to young people going strong. Good youth make for good land stewards.
638	Keep the paper booklets as your only format for distributing the regulations.
639	Keep the regulations and emergency regulations up to date on the ADF&G website
640	Keep the web site up to date. I don't have cell service where I go so internet is the best.
641	keep their website up to date
642	keep them available on line
643	Keep trying And listening
644	Keep trying to improve.
645	keep up the good work
646	Keep up the good work
647	Keep up the good work!
648	Keep up the great work regulating the fishing in Alaska
649	Keep up the hard work. Being able to get someone on the phone when a discrepancy arises with regulations, emergency orders or posted regulations.
650	Keep up the your research to make things simpler, easier, and less complicated in regs. Record only harvest in log books and do away with king salmon harvest as much as possible.
651	Keep up your great work - I live in Florida and want to fish in Alaska in 2019 - can't wait.
652	Keep updating the emergency orders and releasing current regulations
653	Keep website accessible
654	keeping a careful watch on the resources of the area. If Alaska was to loose a fishing resources or land resource that would definitely affect my decision to return.
655	Keeping an eye on fish populations and setting harvests accordingly.
656	Keeping areas closed that are not meeting escapements.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
657	Keeping bag limits low and not allowing charter fisherman to keep large/full limits of fish/seafood. This is something that can desimate the population of salmon, halibut, crab and shrimp just for a few species, I've seen the boxes in airports first hand!
658	Keeping bag limits low to help preserve the species
659	Keeping easy access to regulations.
660	Keeping everyone updated
661	Keeping good track of the fish numbers and close fishing when you see fit
662	Keeping limits in check
663	Keeping salmon from going extinct! We don't want what happened to the Grand Banks happen in Alaska!!
664	Keeping sport fish biologists located in rural communities, so people can go talk to them
665	keeping the costs down for Alaskan residents
666	Keeping the hours on and keeping people posted on when certain events and seasons start.
667	Keeping the license costs reasonable
668	Keeping the limits down, but banning bait fishing on some streams is WRONG. Try casting when you get to be 79 years old, with crippling arthritis in your hands. I love fishing, but it's getting harder to continue with some of the regs. of lures only.
669	Keeping the public informed.
670	Keeping the public safe as possible and informed for specific areas. Alerts to currents problems or possible dangers
671	Keeping the state informed about emergency closures.
672	Keeping the website current and managing the fish stock for all users of the resource.
673	Keeping the website up to date, I like the stocking info and lake info. We do alot of that as we have children less than five years old right now.
674	Keeping the website updated and fairly user friendly
675	Keeping their website up-to-date.
676	Keeping track of fish counts and managing populations.
677	Keeping track of fish counts/escapements, and Closures to protect fish counts/populations as necessary.
678	keeping track of fish populations, fishing pressure on the fisheries , and maintaining clean water regulations.
679	keeping track of our king salmon populations

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
680	keeping track of salmon runs and the quantity of fish
681	Keeping track of the statistics on fish being taken
682	keeping us informed by EO's
683	Kids programs are wonderful, my daughters 2nd grade class grew salmon and released them and the ice fishing at Jewel lake was amazing. It was shocking how many kids had never fished before. The summer youth fisheries are also amazing for kids to get out especially if they have parents that don't take them.
684	Kings should be given more time to recover /46 yrs if the numbers are good. That would mean 0 king fishing till recovered.
685	Last summer we used 3 different guides and they appeared very knowledgeable of regulations and where the fish were.
686	Laws are communicated effectively through booklet.
687	Leaving signs, that contain information about the regulations out for the public.
688	Leaving the sockeye limits at 3 then 6 per day once the quote is up river. If it ever drops to 2 fish per day I will likely quit coming up. I have been bringing up about 20-30 people per year to support the area for the past 39 years straight..
689	Letting me fish naked.
690	letting me get a license and fish/hunt
691	Letting people enjoy Alaska safely and legally!
692	License sales area regulations and lspecies regulations
693	Licensing is easy to obtain online, which I love. I also love the hotline for the Kenai River to be available to I can plan fishing times when I'm down that way to plan around when the commercial nets are out.
694	Licensing procedures
695	Lifetime license for older Alaskans
696	Like having the written books and web site
697	Like I mentioned before. I usually fish with friends who know and understand the regulations for the area we're fishing. You must be getting complaints about the regulations. So, I think your doing the right thing by asking the sport fisherman through this survey what they think, and asking for ways to correct. Its a great start.
698	Like the booklet and the easy to find limits on the website.
699	Like the layout with specific areas regulations.
700	Like the regulations being available in hardcopy.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
701	Limit guide days or times to allow river residents and subsistence fishers more chance of fish.
702	Limiting and regulating salmon harvests until broodstocks recover.
703	Listening to the patrons
704	Listing emergency orders
705	Listing fish count in popular rivers.
706	listing what is legal to catch and when
707	Looking for ways to communicate for effectively.
708	Lots of options for fishing.
709	Love my 3 year license.
710	Love the one time senior license!
711	Love the smart phone app idea. Already appreciate emails for emergency orders.
712	Maintain a healthy population in all resources
713	Maintain healthy fish populations
714	Maintain the fishery so that years of future sport fishing is preserved
715	Maintaining a healthy fish population.
716	Maintaining a vigilant assessment of resources and managing them for long term sustainability.
717	Maintaining populations and public lands.
718	Maintaining sustainable fisheries so I can bring my grandchildren up to fish in the future.
719	Maintaining sustainable harvest levels to ensure fishery health.
720	Maintaining the fisheries
721	Maintaining trophy catch and release areas
722	maintaining up to date regulation and emergency orders on their website
723	Make improvements . Raise more harchery fish to sustain fishing for the future.
724	Make it easy to visit and fish Alaska
725	make lots of salmon babies
726	Make regs/emergency orders easy to google
727	make sure everyone follows the regulations
728	Make sure that sport fishing takes priority over commercial fishing
729	Making a great attempt at improving the way they do business with sportsmen and anglers through this survey
730	Making a paper copy of regulations.
731	Making books readily available.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
732	Making getting for a fishing license easy (online or at the boat)
733	making info available
734	Making information readily available for out of state anglers. Regulations are very easy to find at sports stores.
735	Making it possible to do more online...
736	Making paper regulations available at sporting goods shops is very helpful
737	Making printed regulations available
738	making purchase available on line for stamps and licenses
739	Making regulations as accessible as possible to make sure that everyone's fishing experience is enjoyable and they can get what they're looking for out of it.
740	Making sure folks aren't breaking the law by over fishing or taking fish illegally.
741	Making sure our fish are not fished out, save some for the next generation.
742	Making sure people have an opportunity to enjoy fishing. Keep down the cost.
743	Making sure we have fish and wildlife for our future generations
744	Making the regulations available
745	Making the regulations readily available
746	Making the regulations readily available.you
747	Making them available at many businesses around Alaska
748	Manage fish stocks for growth, so the opportunities are there. People who don't follow regulations should be busted, I know this is more like state trooper area.
749	Manage fisheries, I think ADF&G does a good job, even when it comes to making tough sportfishing/harvesting limits for the long term fishery.
750	Manage harvests. King salmon fishing this year (2018) was not good.
751	Manage our fisheries for all participants and long term.
752	Manage the fisheries from year to year to ensure sustainability.
753	Manage the resources, and communication with sports fishermen
754	Management in general.
755	Managing fish health and population.
756	Managing fish populations
757	Managing fish populations.
758	Managing fish stocks.
759	Managing fisheries well
760	Managing Rainbow and Salmon populations in the Nushagak drainage. I love it there and have never had a bad trip.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
761	managing red salmon fishing on the Kenai river
762	Managing species for the future, emergency orders, disallowing fishing when needed.
763	Managing sustainability
764	Managing the fish (keep it up)
765	Managing the fisheries
766	Managing the fisheries and allowing opportunities for those folks in the lower 48 to experience high quality fishing!
767	Managing the fisheries to provide a wild and world-class experience to all visitors
768	Managing the fishery
769	Managing the fishery to insure the resource is protected for now and the future.
770	Managing the fishery, even though it is painful at times
771	Managing the fishery, very important.
772	Managing the fishing and the ability to keep some fish, even if it's just for a shore lunch.
773	Managing the Kenai River sockeye.
774	Managing the limits for different species very well.
775	Managing the resource
776	Managing the resource for sustained fishing in future years
777	Managing the resource for the future.
778	managing the resource well, just need clear regs.
779	managing the resource.
780	managing the resources for abundance
781	Managing the seasons & bag limits to assure healthy population
782	managing the stocks for the future.
783	Managing wildlife. Alaska is a beautiful state and a sportsmen's paradise. I hear too many fishermen saying they are not coming back due to the changing regulations on fish limits.
784	Many locations to get license
785	Maps but need to make them larger showing distinct makers for regulations
786	Mel trying to save the kings
787	Military discounts on fishing licenses
788	Minimizing harvest and closing fisheries for species with low populations.
789	Mobile app and support.
790	Monitor and track current counts of species entering spawning rivers

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
791	Monitor current run strength and adjust regulations (bait/no bait Etc.) based on this information.
792	Monitor Kenai kings and continue bait closures and let the fish get up river to safety
793	Monitor the commercial fisheries, but close them down 2-4 days per week.
794	Monitoring and counting the fish
795	Monitoring and managing the fish population. Constantly changing rules and fish population requires the need to
796	Monitoring and regulating harvests
797	monitoring escapement and adjusting seasons accordingly
798	Monitoring fish counts
799	Monitoring fish population
800	Monitoring fish populations and catch limits.
801	Monitoring harvest and limit of fish
802	Monitoring illegal fishing, and fish counts
803	monitoring of populations is getting better
804	Monitoring the fish counts in each river.
805	Monitoring the halibut harvest. I completely support not over fishing them
806	Monitoring the salmon population is very important in my opinion and I think that ADFG is and has been doing a great job doing that.
807	Monitoring the waterways is important. I think they do a good job.
808	more spot checks on peoples limits
809	More support of Sport Fishing and more critical of Commercial Fishing
810	More ways of getting licenses online
811	Mostly, all information is readily available even if it may be challenging to sort through all the rest of the regulations to find what you need. Also, buying licenses online is very much appreciated.
812	Multiple platforms for communication.
813	My interaction with rangers has been pleasant and informative.
814	N/A. Start putting regulations on the people that are actually hurting fish counts. I've lived here my whole life and have never seen more rules and zero fish and all rivers closed to kings. It's not the guys with rod and reels doing this. It's time to make some real changes and stop worrying about the guy using multiple hooks
815	Need to fix commercial by catch of valley fish. More enforcement. Make people treat all salmon to be released like Coho's.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
816	Newspaper articles about important closures is nice. It is how I found out about the kind salmon closure in SE.
817	Nice regional divides. Good species specific information. Very helpful and easy to find tutorials and education.
818	No comment. I don't fish enough in Alaska to have a meaningful input
819	No Comments - Satisfied
820	none that i can think of
821	Not allowing sport fishing when commercial is restricted
822	Not entirely sure about this.
823	Not informed enough to remark!
824	not really sure about this.
825	Not sure but lodge does everything
826	Not sure of anything. I am mostly frustrated with adfg.
827	Not sure only been once with a group and guide
828	not that familiar with all they do.
829	Nothing comes to mind
830	Nothing, I am satisfied with Alaska sport fishing regulations.
831	Nothing. If it ain't broke don't fix it
832	Notifying stocked locations.
833	Obtainable regulations, and liscence sales at store locations
834	Obtaining a temporary license for my week stay was VERY easy !!
835	Offering fishing licenses available at many locations
836	Offering out of state license purchasing online.
837	Offering printed material, having friendly, knowledgeable staff
838	Offering purchase of fish, hunt, and trap license all in one
839	on-line licenses are cool
840	On line licenses is great
841	One fish per species per year
842	One of the best departments ever at follow up and survey of participants. Clearly takes fishing sustainability seriously.
843	One of the major reasons I like to fish Alaska is the rule concerning 'Catch Limit'. The fact that a fish caught and processed does not count as part of your catch limit is a very positive aspect of fishing in Alaska. I wish other states and Canada would adopt that rule, it makes all the difference for a trip to Alaska.
844	Online access and info

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
845	online access is pretty solid
846	Online access like buying licenses
847	Online accessibility
848	online fish license purchase
849	Online fishing license.
850	Online fishing permits
851	Online license buying.
852	Online license purchase
853	Online license purchase
854	Online license purchase.
855	online license purchases
856	online license purchases.
857	online license purchasing and proof.
858	Online license purchasing.
859	Online licenses and being able to purchase them for specific durations
860	Online licenses we can print ourselves. So handy to get a license, pay online and be ready to fish right away.
861	Online licensing and aggressive enforcement.
862	Online licensing and printed booklets for those without computer access
863	Online licensing. Webcams at popular fishing spots.
864	Online purchase of fishing licenses
865	Online purchase of license and stamps. Along with retrieving a lost copy but it would help if the phon version was legal.
866	Online purchase of license.
867	online purchase of tags, and printing of license
868	Only one experience so far, but it appears ADFG is doing everything very well although it would be helpful to know when commercial fishing is permitted on the Kenai River
869	Only online licensing
870	Opportunity to purchase license on line
871	Ordering and paying fishing license on line.
872	Ordering licenses online makes it easy for non-residents.
873	Organization of regulations is pretty well standardized so that regular readers understand the format.
874	Other than what I wrote above, I think everything they do is good.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
875	Out reach to kids, I was on a school field trip this winter ice fishing it was great. 200+ kids on a lake in the winter fishing so cool,
876	Outreach like this- you are keeping consistent to the times, good job!
877	Overall communication is good. There's just a lot to communicate.
878	Overall I have no complaints hard/complex.mission I appreciate their work and monitoring
879	Overall I think you are doing a good job
880	Overall Management and Communication
881	Overall management of salmon runs
882	Pape regulation books.
883	paper copy of the regs
884	PATROL THEIR STREAMS FOR ABUSERS
885	Patrolling areas to prevent over fishing and making sure unattended fish carcasses aren't left out to attract bears.
886	Patrolling waters for compliance.
887	paying attention user input
888	people that think regs are too complicated don't understand that ADFG is trying to maximize opportunities
889	Photos of different species
890	plant more king salmon. they make the tourist money
891	Please continue monitoring the number of fish entering the waters prior to and during fishing season. Thank you for continually issuing emergency closures or opens to help maintain our fisheries.
892	Please guard king salmon escapement using whatever means possible. It is in the best interest of all fisherman to ensure the survival of all king salmon runs.
893	Please keep putting out the paper booklet. Sometimes I do not always have cell service or internet.
894	Please work to ensure the continued quality of the fishing there, not like it has gone away in the lower 48.
895	Post emergency order and communicate counts, this could improve but I can usually get the information
896	Post regulations early in the year .
897	post the numbers and species from the weir
898	Posting at emergency orders boat launches.
899	Posting at fishing sites, regulation to allow fish up river to spawn
900	Posting at popular fishing locations, State Parks, parking areas, etc

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
901	Posting emergency orders
902	Posting emergency orders
903	posting emergency orders on boards near fishing spots.
904	Posting emergency orders on the homepage
905	Posting Emergency orders.
906	Posting eo's, posting closers, posting dangerous trails,bears,moose.
907	Posting info about fish counts and closures
908	Posting information frequently
909	posting information near fishing area's and boat launches.
910	Posting notices at parking lots
911	Posting the regulations at the fishing entry points.
912	Posting the regulations for as many species and locations as they do
913	Posting the rules. Electronic is good. Going towards a completely digital license is good. Who thought up this ridiculous concept that I have to sign a printed out version to make me legal? Didn't I already pay for the license? Wasn't my consent to run the credit card enough consent to make me responsible for my digital license? You're going in the right direction, just was frustrated by this again as I turned around and drove 2 hours back to the house for the printed signed copy of the license that I had on my phone.
914	posting where you can fish and what you can fish
915	Preserve the fishery for future generations.
916	Preserve the quality fishing
917	Press releases regarding emergency orders
918	Pretty good website. She wanted to do expend energy, that's where I would do it.
919	Pretty much everything you are doing, you are doing well! Just keep it up.
920	Preventing overfishing and habitat damage so we can continue to enjoy incredible fishing in AK!
921	print the book so we can carry it w/ us. not all have fancy cell phones and instant internet connection
922	Printed materials are well organized and easy to use.
923	Printed regs by area
924	Printing and distributing reg booklets. They're easy to use and store in the car.
925	Printing paper copy of regulations is very important to me.
926	Printing regs on time. But that's about it. Sorry.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
927	Printing regulation books
928	Printing the guide, videos
929	Printing the rule booklet and making a complex system easier to use.
930	Proactive management of king salmon fishing on the Kenai. It has been reassuring that in recent years sport fishing has been restricted when returns are not meeting escapement objectives.
931	Process for buying our single-day permits prior to our cruise was very easy.
932	Producing regs booklets.
933	Producing the booklets and tagging fish
934	Projects a feeling of how important game management is
935	Promoting salmon fisheries
936	Promoting your state, it is AMAZING
937	Properly regulating catch limits to sustain the fisheries.
938	Protect the environment
939	Protect the fish - limit size and numbers of catches, especially for non residents
940	protect the fisheries
941	PROTECT THE RESOURCE from politicians and do gooder clueless biologists from New Jersey.
942	protect the resources
943	Protect the sport fishing the revenue into the state from sport fishing can support many conservation activities.
944	Protect your fish from over commercial fishing
945	Protecting fish populations
946	Protecting fisheries by establishing and strictly enforcing catch limits.
947	Protecting future returns
948	Protecting native species
	Not using Facebook
949	Protecting salmon spawning habitat.
950	Protecting species and managing for future generations
951	Protecting specific species that are at risk
952	Protecting the fish population
953	protecting the fish runs
954	Protecting the fish we have left
955	Protecting the fisheries from over fishing.
956	Protecting the King Salmon from overfishing and protecting the spawning grounds.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
957	Protecting the King Salmon runs
958	protecting the resources
959	protecting the sustainability of species.
960	Protecting the various species of fish. But making it fair to 'Sport' fishing. Commercial people seem to have the upper hand.
961	Protection of species and education for youth.
962	Provide great information on species identification
963	Provide license online.
964	Provide printed copies of regulations in bait/tackle stores
965	Provide the opportunity for better runs and sustainability of the fish for the future
966	Provide updates and changes quickly
967	Providing area-specific regulations.
968	Providing easy access to the license system.
969	Providing Emergency Orders when things change.
970	Providing good info currently
971	Providing kids to fish.
972	Providing limits to not over fish and allow breeding. No female crabs for example
973	Providing much useful detail.
974	Providing multiple versions of regulations and getting emergency orders out to people in various ways.
975	Providing online purchase of licenses and king salmon tags. Loaner rods at area offices.
976	Providing printed copies, maintaining a useful website and being available by phone for questions
977	Providing regulations in the paper book form which can be carried in the field in the tackle box. Sending reminder emails on harvest reporting.
978	Providing the right info even if at times it may be a bit hard to understand.
979	Public contact! Best officers I have ever interacted with.
980	Public education about catch and release / proper fish handling for fish survival. Study survival rates for catch and release . Educate - Educate - Educate Only take what you EAT
981	Publish booklets for free
982	Publish information based upon zones... i only fish one zone for the most part so I don't need the regs for the other zones.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
983	Publish them in hardcopy and website by geographic area.
984	Publish well in advance of the season. Plans are made for next year not this year
985	Published material and website
986	Publishing a paper copy of the regulations. Please don't stop making these available.
987	Publishing regulations timely
988	Publishing the general regulations guide, with location based specific regulations. Also, posting fishing regulations at popular fishing spots!
989	Publishing the information.
990	Publishing the regs.
991	Purchase and report online
992	Purchase license online
993	Purchase license online and print out at home.
994	Purchasing license/tags on interne
995	Purchasing licenses online has been a bonus. However, when we have out of state guests it gets confusing. Example 1: We had a guest in town and bought them a one day license. The weather was to rough so we did not activate the license (sign the license). We don't know if we could still have used the license so we purchased another.
996	purchasing licenses online.
997	push for deep water release devices required for all groundfish fishing
998	Push information to public
999	Pushing out emergency orders over a variety of media's.
1000	Put conservation and science first. Enforce the rules but work to make the rules easy to understand. Website dramatically improved in recent years!!
1001	Putting out booklets I stores
1002	putting out information early enough for users to comply and understand
1003	Putting regulations into place
1004	Quick notice about closures and constant updates
1005	quit the emergency orders
1006	Random Monitoring / license checks / boat safety checks
1007	Reaching out to license holders for more surveys.
1008	Reaching out to non resident license holders as you have done here.
1009	Real-time management

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1010	Real time fishery management; fish count technology, data based management.
1011	Real time run monitoring and adaptive management is good.
1012	Recognizing we have a devastating problem with our salmon returns and issuing catch and release only.
1013	Reduction in non-resident limits
1014	Refs are generally readable
1015	Reg booklets are available In lots of locations and always well stocked.
1016	Regional booklets are good. However, it does seem that the recent effort to pander to the illiterate has given rise to overly-complex organizational structure of the booklets. If someone is too impatient or ignorant to look in more than one location for information, perhaps they shouldn't be using the resource.
1017	regional regulations were helpful when we visited
1018	Regs are easy to understand
1019	Regular public postIng of fish counts and data
1020	Regulate Commerical Fish into a lot more fish to enter the river
1021	Regulate fishing to keep populations stable
1022	Regulate king salmon fishing. Don't give in to subsistence "drying" season pressure.
1023	Regulating charter boats
1024	regulating fish counts and species to optimize catch
1025	Regulating fish to conserve future stocks. Thank you!
1026	regulating fishing for endangered fish
1027	regulating limits to help sustain our resources.
1028	Regulating over-fishing
1029	Regulating species and times and seasons of fishing
1030	Regulating the mouth of the goldstream in the winter, please get people out there checking the limits and catching people under reporting.
1031	Regulating the sport fishing industries
1032	Regulating, and getting out there to make sure these regulations are enforced. I've seen a good number of fish and game vehicles going around to check for licenses and the like already this year, and I'm happy to see it.
1033	Regulation Enforcement
1034	Regulation information (signboards) near docks and access points.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1035	Regulation of fish limits to allow propagation of fish population. Allow more leeway for sport fishermen vs commercial fishing. Seems like commercial fishing always takes priority.
1036	Regulation on fishing seasons and count
1037	Regulations are clear and precise. I can find what information I need.
1038	regulations by drainage
1039	regulations seem reasonable and clearly understood by tackle shops
1040	regulations so all species survive well.
1041	Relalize that sport fishing means \$ to AK.
1042	Relaying relevant information.
1043	Releasing information via website.
1044	Remain conservative with seasons and bag limits to allow future generations to enjoy the resources.
1045	Reminders to renew one's fishing license & stay on top of alerts in many ways.
1046	renting out gear. That's freaking amazing! Stocking lakes. Making sure we don't over fish. Making sure people keep fishing according to the rules.
1047	Reporting fish count
1048	Researching and using science to manage sustainable harvest of fish and animals. Good job guys!
1049	Restrict commercial fishing of salmon to preserve future fishing for the next generation.
1050	Restricting harvests on specific species to prevent over fishing
1051	routine checks on safety equipment on boats.
1052	Safety and reasonable limits. we want there to be fish when my grandkids go.
1053	Save some fishing for residents and keep it local, not corporate
1054	Science based must prevail. Keep it up.
1055	Season dates & spiecies that can be taken.
1056	seasonal restrictions on difrent species
1057	See my answer above. Wonderful state and love to fish there.
1058	Seek feedback and welcome variable opinions
1059	Seeking input from anglers.
1060	Seeking public in-put.
1061	Seeking public input and using it in planning.
1062	selling licenses online.
1063	Sending email reminders

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1064	Sending email updates about things like making sure to get your new fishing license.
1065	Sending out location updates through out the state of Alaska all year around.
1066	Sending out this survey and making the app is a great thing
1067	Separate river systems
1068	Setting limits so everyone can enjoy.
1069	Sharing fish counts, EO's and reports.
1070	Should regulate the foreign people more I see a lot of fish being taken over their limit as well as keeping fish that have been snagged other than the mouth as per location like the Russian
1071	Show all the pertinent information for a district in the same location
1072	Showing diagrams of some rivers where you can fish.
1073	Showing interest in technology based fishing regulations.
1074	Showing regulations and where to fish.
1075	Showing what we can catch per species.
1076	Shut down commfish so us normal guys are S.O.L.
1077	Shut down seine netting
1078	Shutdown fisheries for ALL when escapements are not met.
1079	Shutting down a fishery when the run isn't returning in high numbers. Emergency orders are great. As are higher catch and keep possession laws when applicable.
1080	shutting down areas to sport fishing until subsistence users needs are met.
1081	Shutting down commercial fisheries and catch limits when necessary.
1082	Signs at docks or entrances to streams of recent changes in bag limits or closures
1083	Signs at fishing spots for season, M&M and bag limits
1084	Signs of rules near fishing spots
1085	signs with emergency orders., limits an closures
1086	simplify halibut regs
1087	Simplify regulations as much as possible.
1088	Skip the facebook idea, skip the app. Just have the rules available when and where you buy the license; easy to sort and print.
1089	Slot kings to allow quality stock the opportunity to breed
1090	Some regs were clear others were not. I liked the colorful booklet thanks for the survey

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1091	Sorry, can't think of a thing. I think the fishing regulations are overly geared towards commercial fishing.
1092	Spend less, do more.
1093	Split regulations by region?
1094	Sport fishing generates more revenue in more local businesses than commercial fishing
1095	spot boat/fish count checks
1096	Staffing quality employees
1097	Stay aggressive with King Salmon management plan for the Kenai River.
1098	Staying off internet sites. Having people that answer the phone and are knowledgeable or at office and do the same.
1099	Stock assessment and management.
1100	Stocking and regulating
1101	Stocking information and please offer more youth/handicapped only events in conjunction.
1102	Stocking lakes everywhere
1103	Stocking program allowing people more chance to catch fish.
1104	Stocking program, fishery research projects and data collection on salmon.
1105	Stocking program. Actively involved in trying to manage the resources. Young fisherman involvement
1106	Stocking the lakes and encouraging young people and families to fish as well as be safe on the waters
1107	Stop hiding in the bushes to catch and fine fishermen for insignificant actions. Wish you spent as much time and energy on the commercial fishermen
1108	Stop listening to outside environmental groups.
1109	stop pebble mine stop pulp mill and forestry
1110	Stopping salmon fishing when the run is weak
1111	Stopping seasons by EO's if in season runs are under producing.
1112	Stream bank restoration projects
1113	strict regulation of the bag limits on the salmon
1114	Strict regulations on fishing.
1115	Strong enforcement of regulations. Frequent physical presence at a variety of locations.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1116	Sub-dividing regulations by location. Also, there used to be pictures in the regs showing fish species. These seem harder to find. Adding to all localized regs for species in that area would be great!
1117	Supporting sport fishing for residents and keeping it cheap as possible for residents.
1118	Supporting the opening of posted shorelines for sockeye fishing when existing runs are low or king fishing is closed, is a good thing! Identifying an area on the kenai River for flossing can be difficult when King fishing is closed. As a sport fisherman, I appreciate the ADFG's willingness to assist by not enforcing the act of fishing on posted shorelines.
1119	Surveying and enforcements
1120	Surveying for opinions, having knowledgeable staff for phone contact
1121	Surveys are good. Keep attempting to get the word out in new, accessible, immediate and timely ways.
1122	Surveys like this. Gather more data from users.
1123	Surveys, paper regulation publications
1124	sustainable, maybe even growth of fish stock
1125	Take care of the Kings.
1126	Taking care of species. Emergency orders.
1127	Taking input from people who are local to an area.
1128	The ADF&G staff is amazing! I sincerely appreciate being able to call a local office if I have questions on the regs. I like to plan my trips out and will read the regs for the upcoming trip. Last year I wanted to take my daughter fishing and had questions about Salmon fishing (limits, recommendations on where, etc.). I called and was assisted by a professional and informative staff member.
1129	The booklet is very helpful. The ability to purchase licenses online is a great feature.
1130	The booklet is very well organized and has most everything
1131	The booklet of rules and regulations.
1132	The booklet was good.
1133	The booklet, having staff available, local signage of regulations.
1134	The closures and enforcement. It's tough on everyone, but over harvesting is not sustainable. I am always compliant with enforcement checks and feel they are extremely necessary. There is a substantial amount of over harvest and/or illegal harvest that occurs. It is indeed tough to monitor everything, it's a big state! Certainly the areas with the greatest concern for fish populations warrant extra attention.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1135	The conservation efforts are top notch!
1136	The details regarding fish species ID and seasons open/closed seem easy to understand to me.
1137	The email list you can subscribe to keeps me updated on changes in the areas I can select. The emails are timely and useful if I can understand the EO.
1138	The email list you guys started for emergency orders and fishing reports is awesome. You do a great job at the Great Alaskan Sportsman's Show with your fish pond and information booths. It's really fun when you guys stock the lakes in town.
1139	The email reminders are nice and being able to print your license right away vs. waiting it to be processed and mailed to you or having to go specifically into a store to do it.
1140	The emails to remind residents to purchase their license is helpful.
1141	The Emergency orders are great as long as we are able to get them. The booklet is the best source of fishing information and I love it. Keep regulating the fish counts so there is fishing for generations going forward.
1142	the EO's on kings. Let's just go C&R and get ahead of the curve to allow the economies based around these fisheries level out and not be swung back and forth on escapement numbers
1143	The fact that you continue to try and improve is really good - keep it up!
1144	The fish and game officers that I have met have been really nice.
1145	The fish are your responsibility - I applaud you for the vast area you are responsible for. I understand if one day I can keep 4 silvers, and tomorrow only 3. So one more fish/day -what the heck. If your decisions make my next trip possible - Thank you
1146	The fisheries seem to be in good condition.
1147	The friendly knowledgeable and helpful staff.
1148	The information for fishing regulations is easy to access. I can find it online if I do not have a booklet with me.
1149	The information is presented relatively concisely and precisely, however when they are vague, it is easy to misinterpret otherwise precise regulations or instructions.
1150	The information is there, I have always found what I needed and been inside the lines when it comes to fishing. Also, as stated earlier, your men and women on the ground are awesome and do a great job of educating and enforcing.
1151	The instructions on the website for license was easy to understand and get.
1152	The license purchase system is easy and clear to use

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1153	the licensing process was simple
1154	The limits on rock fish, halibut and salmon are spot on. Have no problems if regs. change for less. Have to leave some for the next generation.
1155	The management of the fishery is fantastic.
1156	the maps provided in the booklets and online are extremely helpful.
1157	The maps to click to determine a region make it easy to find
1158	The maps with special regulations are very helpful.
1159	The paper booklet is comprehensive, and reasonably easy to understand.
1160	The paper booklet is great and very helpful.
1161	the pelagic and non pelagic identification chart helps immensely.
1162	The people at the counters at the Fish and Game offices are the most helpful and friendliest people ever, esp. the Fairbanks office.
1163	the people selling the licenses are usually well informed
1164	The pictures and drawings of fish and shellfish showing differences between Male and Female
1165	The price of fishing licenses are very fair
1166	The pursuit to get better at getting important info to the as many people as possible
1167	The regs have been becoming clearer every year so that's good.
1168	The regulations are complex, but the book is pretty well laid out.
1169	The River Patrol Officers do a great job. Last year on the Situk they were super friendly and we enjoyed their interactions.
1170	The rules are getting easier to understand, and I like how you are reaching out for public input in order to improve our sportfishing experience.
1171	The rules for, out of state license procedures was very clear online. We had no issues purchasing our license and learning the restrictions per species of fish.
1172	The signs up at popular fishing sites stating the season and limits.
1173	the use of simple easy to read language
1174	The website is an outstanding resource for regulations, trip planning, and species identification.
1175	The website is fairly easy to use
1176	The website is pretty good and has current info.
1177	The website is very easy and informational
1178	The website is very helpful and well maintained.
1179	the whole process, all our family members like it.
1180	The workers that interact with the public are nice

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1181	Their website and how you navigate to the fishing regulations down to a specific area. Also I can already download the regulations on my phone and view them whenever I need to.
1182	There has been a deliberate movement to be able to use online tools more and more and I love that. It makes remote fishing so much more accessible.
1183	There is no replacement for the good old paper regulation booklet
1184	They're doing a good job. Just keep up the good work.
1185	They are always very helpful with any question.
1186	They are doing a good job managing the fishery in spite of the sport fishing and commercial fishing interests sometimes being at odds.
1187	They are doing this survey to better meet the needs of the public.
1188	They are friendly and do the best they can to listen and answer questions.
1189	They are getting better in writing regulations in plain language
1190	They are keeping the regulations well detailed.
1191	They are reachable and are out to ask questions.
1192	They do a good job of making resources available. Expanding the scope and methods of this is sound forward thinking.
1193	They have a great coho salmon stocking plan going in Kodiak. My family really looks forward to sport fishing for cohos in the stocked runs.
1194	They have a website.
1195	They protect their fisheries and should continue
1196	They're good at being as informative as possible.
1197	thing of updating regulation formats
1198	Things like this survey to find out how we need and use info is definately the right thing to do.
1199	This survey and a good presence.
1200	This survey is a big step in the right direction.
1201	This survey is a good start
1202	This survey is a good start

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1203	This survey is a good start, but it really bothers me when the resident sport fishers in alaska have struggled to find places to fish that haven't been severely regulated. I don't make a ton of money, so I try to supplement my family's diet with hunting and fishing, and it really hurts my bottom line when you close areas to fishing because there are not enough fish. If this continues, there will be no fish left for even the commercial fishing operations to exist. Its a bummer a lowly state resident gets the raw end of the stick more than the other groups in Alaska when it comes to regulations. I spent over \$100 in draw tickets and didn't get a single ticket drawn, yet if I was from out of state I could come in and pay someone to hunt the same animal out of the same area...
1204	This survey is a great step in gathering information to keep fresh ideas coming in.
1205	This survey is a step into the modern age of technology. I do like the online licences
1206	This survey is an example of doing something right.
1207	This survey is spot on!
1208	This survey to justify building an app
1209	this survey.....Hopefully suggestions will be implemented
1210	Ticketing commercial fisherman who break the law. They get away with a lot
1211	Tighter limits on river fishing.
1212	Tightly control popular fisheries such as Kenai Rain her to preserve the resource.
1213	Timely publication of current information (emergency orders).
1214	Timely publishing and communicating emergency orders.
1215	To new to have an anwser
1216	Too many to list. Very comfortable working with local ADF&G folks.
1217	Tough job and overall doing a good job
1218	tracking the coho population.
1219	Try to make sure the Alaska Fishery does not decline.
1220	Trying to communicate with users
1221	Trying to get a better job done on regulation book via these surveys
1222	Trying to insure that there will always be fish abundant in the future.
1223	trying to manage fish for the future.
1224	Trying to preserve the fish population.
1225	Trying to properly manage the fisheries via emergency orders and catch limits.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1226	Trying to protect resources.
1227	Trying to weigh data and human needs
1228	Unfortunately I don't deal to often with ADF&G but from my friends and family that do. They think everything is always great and easy to locate.
1229	up to date fishing reports, counts, and emergency orders
1230	Update the web page consistently to keep fishermen informed.
1231	Updates on website are accurate and timely.
1232	Updates on what is going on.
1233	Updating fish counts. Sending important emails.
1234	Updating the ADF&G website is a great tool and pretty much the only one we currently use, unless we don't have access to WIFI.
1235	Updating there website
1236	use escapement goals to determine emergency closures
1237	Use logical, common-sense reasoning to guide your regulatory decisions, not political platforms or favors. I know this happens...far too regularly...
1238	Using different avenues to release information; ie facebook, emails, hopefully soon an app.
1239	Using emergency orders to protect fish populations
1240	Using in-river counts to monitor fish runs and updating restrictions to protect the fisheries.
1241	Using radio stations to make broadcasts of info updates like emergency openings/closures.
1242	using sonar to protect stocks
1243	Using the fishing limits
1244	Using this survey to ask for opinions is great!
1245	Various limits are generally well known and people honor them.
1246	Very helpful at main office
1247	Very helpful when called.
1248	Warning us of crowded fishing areas
1249	Was only in state a few days,not long enough to form any openion.
1250	Watching the fish populations
1251	We appreciate the paper copy of the regulations and helpful people who answer our questions.
1252	We are very happy with the Tour Guides and the regulations they help enforce.....The shore fishing

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1253	We fished out of Seward on a charter boat and those guys followed the rules to a T, which I thought was because ADFW don't take kindly to any type of game law violations. This is what will keep Alaska fishing a great adventure where there will be fish for future generations.
1254	We have no problems with ADFG. The regs seem a bit confusing but nothing we can not live with.
1255	We love the booklet, it's great for kids
1256	We need to regulate the fish as necessary for future generations. I do not understand why we still do big fish tournaments i thought all halibut over 100 lbs were the breeders
1257	Web information was good, and should be made available on smart phones by some apps...
1258	Web site is really good from a functional standpoint especially buying a license. Just need to make things like emergency orders jump out a bit more. The big pieces - downloading a copy of regs and trying to figure out area boundaries to someone not familiar with waterway landmarks is tough
1259	Web site purchase of licenses and regulations is clearly presented
1260	Website is pretty good and getting a license remotely is very easy
1261	Website is very useful currently
1262	Website updates and fish counts
1263	Welcoming visitors to enjoy your great outdoors and wildlife.
1264	Well documented regulations, easy to communicate with and informative in answering questions.
1265	Well first your asking for input so that's a great thing. Your web site is easy and convenient for purchasing a license.
1266	Well trained and knowledgeable staff offering free equipment rentals
1267	What you're doing now by getting user feedback.
1268	Whatever you're doing now.
1269	Whenever I have interacted with Fish & Game, they have been friendly. Please continue that.
1270	wide distribution of emergency orders—I usually hear about them right away on radio, FB, and/or other venues
1271	Widely advertise emergency orders
1272	Widespread communication of EO's and regulation changes to a multitude of media outlets have been pretty effective so far.
1273	working on projects like this one to inform the public
1274	Working to change a system that does not work.

Table 19: Comments on What Alaska Department of Fish and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1275	Working to improve system
1276	Working to keep the amateur angler in the mix rather than ceding control to commercial fishing.
1277	Working towards getting more officers to cover areas and catch individuals who are abusing the system.
1278	Working with other stakeholders to protect and manage ocean resources. Invest in boots on the ground management even when areas or vast and populations low. Presence is prevention.
1279	Writing tickets for people who snag reds and for non-residents dipnetting for reds.
1280	Yearly Booklet, warning / info signs at popular fishery access points
1281	You all work hard!!!
1282	You are doing a pretty good job of creating the printed regulations especially considering the complexity of the state
1283	You are doing a solid job! Keep up the good work!
1284	you are doing nothing right; with these complicated regulations, you are preventing residents from fishing
1285	you can always call in if you are confused about a regulation
1286	You definately need to manage your resources and seem to be doing a good job.
1287	you do a better job with your fishing regs than most i have dealt with. keep up the gods work
1288	You do great work. Maybe shoot repeat poachers and meth heads on site!
1289	You guys are awesome!
1290	You guys are doing great I see your wardens around which is great just make sure hides are up on all laws
1291	you guys are doing great!
1292	You have a enormous job. Follow the money.
1293	You provide a lot of interesting information in both print and internet
1294	You put out good information and copious amounts of it but maybe a little daunting to the average joe who lives and fishes here. Everyond is really nice and polite and helpful and I love the kids programs.
1295	You shouldn't change a thing in our opinion. Of course we are out of state in Florida and own a charter service ourselves and enjoy Alaska's superb fishery.
1296	Your all doing a great job with what you have, Thanks
1297	Your emails are very helpful!
1298	Your survey is a good approach.

Table 19: Comments on What Alaska Department of Fish
and Game is Doing Right and Should Continue Doing
(continued)

id	Responses
1299	Your web site is easy to use even for someone that doesn't use a computer alot
1300	Your web site is excellent and easy to understand
1301	Your web site to buy license & info is very good.
1302	Your website is current and up-to-date.

Appendix 4: Open-ended General Comments and Comments on the Survey

The following table reports open-ended responses. Three have been removed because they contained identifying information. The remainder have not been edited or changed in any way.

Table 20: Additional Comments or Comments on the Survey

id	Responses
1	#31 says it all. catching was hugely reduced this year compared to prior years, personally
2	1-Personal use fishing in the Kenai middle river is refocus. 2-All river caught sockeye salmon are “snagged” even the ones snagged in the mouth. Make the regulation real that lining a fish is ok and it’s about technique.
3	1st Locals. 2nd residents. 3rd out of state. If some one is out of their zip code. Should support local area they are imposing. Or fish all state for \$xxx.
4	a guy i know was fishing off the back of his boat and walked to his gally to get a drink and got a 120\$ ticket for not being near his pole. that is BS does not save any fish canot understand the need for that arbitrary regulation
5	A lot of people do not use facebook making communicating through it useless to them
6	A smart phone app sounds like a good idea. Recognize that internet and phone access is intermittent. So info in the cloud is not of much help.
7	About rockfish... We got a bunch of them while going for halibut, by the time they came up they were dead yet we had to throw them back. The seagulls liked it but it makes no sense. I hate killing something that won't make it to the table, I even more hate doing so in front of children who thus learn that killing for the sake of killing is just fine.
8	Access via web area to be fished by dates and site pops up with all required info required on a single page
9	Add a link for commercial regs. Very curious and would like to read them as well.
10	Add pop-up boxes showing changes in rules and regulations in specific areas compared to previous year's rules.
11	ADF&G - toughest job of all 50 states.
12	ADF&G is doing a terrible job of managing the state fisheries. It gives priority to the commercial fisheries, which are mostly ran by out of state people. Residents should be the priority not commercial or non-residents.
13	ADFG does a great job, whining dipnetters should pound sand. A commissioner from within the ranks of ADFG would be nice tho ...

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
14	Adfg rips off out of state fisherman with both higher fees and lower catch limit. I dont mind paying more but being subjected to lower catch limit than residents is a rip off. Alaska should pay adequate taxes instead of always gouging visitors to pay their expenses
15	Adfg sucks at getting info out. Some of the regs are too convoluted. Your fish count graphs suck, and you do not communicate to the public about what is going on. I use The Alaska Outdoor journal on Facebook for updates and it is irregular. Why can't Adfg provide this info? - why can't Adfg explain what is going on when they have an EO?— engage!! And Explain!! And inform! Have better phone or online connectivity to answer questions.
16	Admit it, you want people to go fishing, but you do not want anyone to catch a fish unless they release it. Hire some people who are strong advocates for sport fishermen to catch fish, on par with those who do not
17	After 29 yrs here, I think I'm just use to the way ADF&G puts out the regs. I know I struggle when I go to other states. I hunt and fish in AZ and CO as a non-res and I struggle every time understanding their regs and find myself at their offices asking for help.
18	Again, Glad you are asking
19	Again, please, for the love of all things holy, DO NOT try to dumb-down the regulations. Fishing regulations are written a certain way for a reason, (defining allowable use vs. prohibited use etc.). In rewriting them I fear that much of the meaning and context will be lost, it will lead to more vague interpretation, and it will be even less enforceable.
20	Again, the app has to be done right to be a useful tool. I could absolutely see myself using that and I am excited at the thought of it.
21	AK fishing is the best
22	AK Fishing Licenses are very expensive for non serious folks like me. On our last trip I think AK ended up with about \$70 per fish all because we are law abiding and fishing was not our primary reason to be in AK.
23	AK residents deserve priority in access to the fishing resources of the state, personally first, before any commercial allowances.
24	Alaska dept of fish and game needs to recognize the sovereign rights that Alaskan natives have. It would save the state money and resources if the dept of fish and game would give Alaskan natives control of 50% of all fish and game in Alaska.
25	ALASKA FISH AND GAME ARE DESTROYING THE SPORT FISHING INDUSTRY BY INCREASING COMMERCIAL AND REDUCING SPORT FISHING VERY DISSAPPOINTING

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
26	Alaska is great don't let it fall apart like the rest of the country
27	Alaska is so big, I do not believe that easing restrictions on fishing and hunting would have any detrimental effect on any population or any species.
28	Alaska Outdoor Journal has a Facebook page... you should check it out. I have followed him for years. Very valuable information.
29	All's pretty well understandable. Can get a little squirley between species at times.
30	Allow more opportunities for children
31	Allow more than 2 Halibut to be caught. It is not very fun to spend a lot of money just to fly to Alaska, spend more money on the boat rental and guide, and then only get to catch 2 Halibut. I have quite coming to Alaska because it is not worth it anymore.
32	Allow people from out of state dipnet!
33	Allow retention of Kings at 22 + inches. Reinstate a daily limit of 5 dungenes crabs per day for non residents.
34	Allow to catch more than 1 halibut and king
35	Already said it. The resource is in trouble. Do more NOW.
36	Although I feel I understand the regulations well, I can see where the flipping back and forth of the book could easily confuse other people. I think there should be a 'general regulations' section that applies to all areas and then specific regulations for each area. This is how the book is set up now but.... It could be cleaned up for better understanding.
37	Always enjoy my time in Alaska!
38	An app is a great idea
39	An easy to use updated app would be helpful. we planned to fish a particular river last year made all of the arrangements rented a car went to the river, just to find out it was closed that week to fishing.
40	An online survey was a great idea! I'd love if more surveys were done this way, instead of attempting to collect data via paper forms. That's assuming this one works out well for you, and I know Alaska can be a bit strange in that regard.
41	Anything that can simplify understand and regulations is a win for both the fisherman and agents. Which makes time spent on more important stuff.
42	Appreciate all the information out there regarding sport fishing, encourage everyone to Plan ahead for understanding the complexity of all the changing rules. It only takes a little time to play by the rules!
43	Appreciate the opportunity to share.
44	Appreciate your efforts to get user input. Thanks.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
45	As a non-resident, I have enjoyed fishing in Alaska and found information to be straight forward and understandable.
46	As a non-resident, I rely solely on the guide.
47	As a vintage outdoorsman and geologist, my main relationship with fish involves dinner. I do not practice catch & release sport fishing, If I can't eat it, I don't bother it.
48	As an out of state fisherman, based upon the complexity and changes, I found a guide almost a necessity to ensure that I was on track. You could also consider a self-assessment test to ensure that I know what you think I need to know.
49	As I life long fisherman and former guide, i feel that catch and release for salmon is a poor practice when escapement goals are not being met. When runs are behind, as many fish as possible need an opportunity to spawn without harassment!
50	As much as I love fishing for Kings, if we truly want to rebuild that fishery, we need to totally close the fishery for 5 years, so that those 5 year fish have the best chance to rebound.
51	Ask any good fisherman how to preserve fish runs and they should tell you to stop fishing on them, especially when they reach their home river. I can't believe that the King fishery at Yakutat was not closed this year and last year for that matter. All too soon the fish will be gone along with the economy that goes with them. I wish the game departments would spend more effort protecting the resource instead of the \$\$ come from it.
52	Be more conservative in setting limits. We need to focus on the fishing experience and not just filling the freezer.
53	Be more conservative. People don't need the volume of fish that they catch during the personal use fishery. Establish windows for personal use and do not allow emergency openers during those windows on the kenai.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
54	being able to sort the information would be nice - an example would be searching for all king salmon fishing and a list of locations would come up then filter by the date the season opens. Being able to personalize the app to your home location but still be able to subscribe to the alerts for what ever areas you commonly hunt/fish in would be nice. Link to Public Safety to file trip plans for Search & Rescue purposes or ability to fill them out and have the app email next of kin if it expires without being cancelled. I like the idea of having all licenses available in the app as an option but make sure there's a red reminder to print if you're not near a power supply! Ability to text a ADF&G biologist/wildlife trooper if the legality of an animal is in question? either before or after it's shot - ability to self report violations would be nice. Lots of work for the staff but might help prevent wanton waste. section on roadkill regulations for moose - work on having the ability for the person who struck the moose be able to salvage it after inspection by Law enforcement.
55	Better balance the burden of the diminishing fishery between sport and commercial fishing. Stricter regs for fly-fishing only waters regarding weight usage to reduce snagging and foul hooking. More areas should be permanently made catch and release only water, even if it were only experimental to measure the affect.
56	Better interactions with commercial fisheries
57	Better limits for non resident fisher people.
58	Better mgt of comm fleet harvest impacting Kenai river sockeye sport fishing opptys.
59	Bigger fines for poachers. More policing of the fisheries (not only on opening days)
60	Catch more snaggers at the Eklutna Tail race
61	Change regulations to allow higher catch limits on coho salmon for out of state sport fisherman.
62	Check certain meat/game processing plants for Heigine practices.
63	Clarity on regulation
64	Close king salmon fishing down for the next decade to all users, sport and commercial. We need to fix this fishery. Also let's put a bounty on pike in the Susitna drainage. Something needs to be done here or there will be no salmon, or anything else.
65	Close kings for 5 Year's or we will continue the downward spiral. Additionally, having commercial fisherman oversee fishing has become the fox in the hen house and is harming ak fishing. This is greatly harming sport fishing, local economies, the run returns: very poor practice.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
66	Collaboration, learn pro/con from states already using apps.
67	combine pictures with regulations to create the most basic representation of each regulation, simplistic communication techniques are easiest to comprehend.
68	Commercial fishing are a more organized lobbying group than the sport fisherman. Has anyone conducted a study to determine the amount of money the sport fisherman contribute to the local economy? Sport fisherman are treated as an afterthought .
69	Commercial fishing emergency openings during dipnetting in cook inlet should stop altogether.
70	Completely waisted my time and the State wastes money and rarely cares what the residents actually are concerned about.
71	Consider communicating which regulations are most sited in violations by sport anglers (breakdown by geographical area). Consider ways to add increased emphasis to regulations most frequently violated (by geographical area). I have not had a problem with the regulations using the current booklet, but two years ago Game wardens checked crab traps in harbor and a number of the other guests staying at lodge had their traps confiscated due to incomplete/no labels. Our traps were fine because we labeled them per the regulations. After that the lodge created labels for the guests, don't know if the other guests read or understood the regulations. Regulations with enforcement is necessary to protect the resources.
72	Consider the age of fisherman. Everyone gets old!
73	Continuing to manage the fishery may require suspending commercial/sport fishing from time to time for the future benefit.
74	Could the ADFG provide a way to post or list, or maybe put on a map family friendly places to take children who want to catch fish. Alaska is very intimidating when you get there. I assumed every place would be fishable, and learned very quickly that many places require very specific equipment and are very full of people that would not appreciate what a young child would offer.
75	cut back the amount of take from the commercial fishing so that sport fishers can actually catch a halibut/ling cod/king. The emergency closures are bad for everyone. Get better at rebuilding these stocks by looking ahead and understanding what is happening rather than reacting to it
76	Cut commercial quota cut the time they have to fish and limit the number of boats on the water at the mouth of the river at one time
77	Cut down on commercial fishing
78	Develop a simple app!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
79	Did my first fly in with guide last summer and had a blast. I lived in alaska and didn't fish like I did last summer. Hope to squeeze in a trip in the future Dip netting is stupid, it is not a sustainable approach to managing a fishery.
81	Do a survey for moose hunting. That is confusing to wade through online.
82	Do not allow commercial fishing lobbliest to domenate any board
83	Do not allow commercial fishing to wipe out fish. I do realize how important it is to Alaska to have visitors come and fish. Make sure everyone has to live by the rules. Make the enforcement of all rules important.
84	Do not do what the commercial guys want all the time.
85	DO NOT USE FACEBOOK.
86	Do what you need too to bring back the Kings.
87	Do you mention restrictions on wading gear, e.g., felt soles? If there are such restrictions, please include them.
88	Does not really apply, always use a guide since I am a tourist!!!
89	Don't change anything. Alaska has the best fishing already so if it ain't broke don't fix it
90	Don't overthink it...your booklet/reg's are clear and easy to navigate...it's the waning IQ of the public that's the challenge, so maybe offering a 'quick and dirty' or 'simple to use' option, might be the direction to go ;) Keep up the great work!
91	Don't be so quick to close down or drastically reduce fishing priveledges
92	Don't sell a king salmon stamp in a region where you intend to close king salmon to that region for the entire season. It's legalized stealing.
93	Drive home not pulling fish out of the water that are going to be released. It's really annoying when we see people pull salmon out of the river, let them flop around in the boat then get tossed back in.
94	Dungy crab personal use limits are too liberal in the Juneau area. No survey, and the management relies on a defacto sex and size limit, which doesn't provide enough protection to maintain a reasonable fishing opportunity in high use areas.
95	Ease these up and restrict commercial fishing more.
96	Eliminate release of fish (reds) hooked behind gill plates. Set the bag limit and require all fish landed up to limit be kept.
97	Emailed emergency notices would be fantastic
98	Emergency closures will kill sport fishing . I quit going to kenai because of this. I am not going to book a trip and find out the day before I go it closed

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
99	Emergency orders are always an issue in my opinion. For instance, a lot of folks used to rely on the ADN paper, but now you have to pay for it. A lot of folks don't have a subscription so they don't see these things. An app would be fantastic
100	Encourage more catch and release especially for king salmon
101	Enforcement of regulations seems lacking at times. Just returned from the Kenai where numerous people who did not appear handicapped were fishing in the handicap zone. Also, we frequently see people attempting to retain illegally snagged fish. We've run into one person in particular who returns for more than one limit a day and have confronted him, and reported him to ADF&G. To my knowledge, no action was taken. I understand a warning may be appropriate and might even be effective at times, but ADF&G personnel have commented in the past that they get frustrated because some people almost immediately re-offend. In that case, along with a hefty fine, please confiscate their fishing gear!
102	Even if I don't get out to the woods, I try to purchase a hunt, fish and trap license every year to support the ADF&G. Good job.
103	Everyone wants to use an app. No one wants to carry paper. Thank you for even considering it.
104	Everything works great
105	F&G should do more to improve the fisheries. It is a very important resource of Alaska and it has gone down over the years.
106	Facebook updates would be great or text
107	Federal Regulations are supposed to be published and available when you buy a Fishing License but I have never seen a vendor that had a single copy.
108	Fewer regulatory ambiguities
109	Fight for more funding to make sure the all species of salmon have good returns. In Kodiak right now the salmon have not really showed up as of 6/21/18
110	Fished with a friend who is a resident of Alaska. He made sure all regulations were observed, from making sure I had the proper license, to recording catches, to following procedures for releasing yellow eye into the depths. He took care of everything, right down to cleaning, filleting, and freezing of our catch. It was a wonderful experience, one that I'll probably never be able to afford again.
111	Fishery management in general seems to be biased towards commercial fishing.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
112	Fishing in Alaska is incredible. ADF&G biologist and managers do a pretty good job of resource management in a very complex system, including subsistence, given the huge geographical area and diverse environments. Thanks for the great opportunities and continue the good work to protect the future for my grandkids.
113	Fishing used to be fun, now it is a rich man's game. The whole set up favors guides. I can't afford a guide, and wasting my time not catching fish is no fun. Also the rules change every mile of the river and change so often it is hard to keep track of what is legal here, today.
114	For all the money sportfisherman bring to your state. Its dissapointing to only be able to keep 1 or 2 Halibut . i say this as mostly a catch and release fisherman. I do like your specific water regulations. Keep up the great work.
115	For areas that have unusual specific regulations it would be good to continue to have signs posted at the location. Ship Creek nights closed for example.
116	For out of state persons booking their trips in advance, stick to the regulations that were in place when we signed up for our trips
117	From my visits my opinion is that commercial fishing controls almost all decisions. Sport fishing is a distant second.
118	Gathering this info is useful, but as an angler I understand I have a responsibility to be informed about the regs, appropriately licensed and have a understanding of what and where I am fishing for.
119	Get people more interested in pike fishing
120	Get serious about restoring the King Salmon fishery on the Kenai, I hear EO for Sportfishing but I've never heard any news talking about the commercial fishing side. I think back over the years and I've heard many fishermen say "They never stop the commercial fishermen ", I guess many people feel that the commercial lobbyist have more money and don't get penalized like Sportfishing.
121	Give the sport fisherman more of the resources.
122	Glad I had time to take this survey. Fishing and hunting are a huge way of life for our family and I love teaching our children the ways!
123	Glad somebody at adf&g is thinking outside the box and using technology to improve how information is delivered. I wish you success in your endeavor.
124	glad they are doing this
125	Glad you're conducting it!
126	glad you're doing this
127	Glad you are doing this
128	Glad you reached out for my opinion, thank you.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
129	Go digital so those of use who buy king stamps at the end of the year for the next year could save money- especially with all the king closers. I would not have bought a king stamp this year if I had known about all the closures. Cost me \$\$x4 for my family.
130	Good ideas on the horizon. keep up the good work.
131	Good job on making an app
132	Good job reaching out
133	good questions and good survey.
134	Good suggestions and ideas.
135	Good survey hope I have helped
136	Good survey questions
137	good survey! good luck with your changes! They sound pretty exciting.
138	good survey, especially the part about how to word regs so they are easier to understand
139	Good survey, great questions, well written.
140	Good survey. I am glad to see that you are soliciting opinions. I would add to the section about Facebook and social media in general: other fishing opportunities. Under fished rivers and lakes as a means of encouraging people to explore other areas. Fishing in Alaska is so road-system dependent. Everyone seems to get jammed up on the Kenai.
141	Good you are doing it Thanks
142	Great job on the survey and finding out what people like. Easier communication is needed.
143	Great job. Clearly thought out and smooth. I wish more government agencies would follow suite!
144	Great job. keep it up.
145	Great survey questions, especially your questions about the way people find statements easy or easier to read.
146	great survey thank you
147	Great survey! Hoping you email the results to all those participating. Tight lines!! ;-)
148	Great survey. Now to implement!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
149	Great survey. One last comment would pertain to the halibut fishery in South Central Alaska. I am concerned about the possible over-harvesting of both immature and mature halibut. I know ADF&G closely monitors this and does a good job of it, however I do feel there has been a drastic decline in both quantity and overall size of these halibut. Just a suggestion but would it be open for discussion to restrict certain fishing grounds/areas on a 'rolling' basis to let the resource recover for a year? This could easily be managed and determined after a short time if it is an effective way to spread the catch.
150	Great to get feedback. Thanks for asking!
151	great to see you are thinking of change this is progress
152	Halibut regulations are sometimes hard to find. I know they are federal regs, but including them in the AK regs would be nice.
153	HAMMER THE POACHERS Need stiffer penalties
154	Have biologists track salmon as well as bottom fish. Realize how much money is in sport fishing vs commercial
155	Have read all regulations from fish and game as well as noaa and still don't know if a resident on a private boat can chum for halibut
156	Have zone maps not descriptions of areas.
157	having an app instead of having to go online would be awesome and so helpful, researching would be some much easier for myself and I'm sure others!
158	Having the app would be awesome for identifying species and knowing the limits and hot spots.
159	Help clarify best practices for exporting fish meat when leaving the state via plane.
160	Hopefully this info was helpful. Thanks for listening.
161	How about defining how we (sport fishermen) and commercial boats are supposed to deal with each other. Right of way, good practices, safe distances, radio traffic, etc.
162	Hunting regs in AK are extremely confusing. This survey should also be done for hunting regs and licensing in AK. Hunting regs and info are hard to access and to understand.
163	i'll be back in 2019! thank you!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
164	<p>I'm an avid fisherman in the lower 48. Last year was my first time in Alaska, truly beautiful. I thoroughly enjoyed my time on the water. From what friends told me, fishing was slow. However, I felt it was spectacular. I was asked to come back and help build a log cabin this year. Building a log cabin in Alaska has only been a dream. That dream is coming true, heading back to Alaska in a month for a couple weeks to help and pay it forward. My hope is to return in a couple years after I retire and take in all the beauty, fish and possibly hunt for a month or so.</p> <p>Seeing I have this opportunity to add additional comments. I would like to discuss Veteran's opportunities to hunt and fish in your Great state. It appears you have to be a resident to receive a benefit. I'm not asking for free. However, I feel not just Alaska, but all states should recognize the sacrifice the men and women of the armed forces have made for this Great country. Please consider reduced licenses for all veteran's. In addition, maybe some other consideration for service connected disable veterans. Thank You!</p>
165	<p>I'm excited for the potential app. I think it's a fantastic way to make sure the rules and regulations are available.</p>
166	<p>I'm glad you're looking into changes to help anglers be more aware of regulations. I get the sense that it is not uncommon for anglers to be unaware of the regulations or to disregard them because they feel no one is looking.</p>
167	<p>I'm not sure this survey was really appropriate for me. I had a fantastic time last summer fishing in Alaska. We tell everyone about our fishing in Alaska. But if I hadn't used a guide, I'm not sure we would have known all the regulations.</p>
168	<p>I'm probably not your target demographic for this survey. I live out of state, and I only fish in AK when I visit my parents. They keep track of the regulations, and I'm not sure what sources they use.</p>
169	<p>I'm reading 'Alaska' by Mitchner and hope better conservation and governance of the great natural resources are stressed throughout the state. Tourists need to recognize the importance of Alaska's unique environment and the need to keep it thriving. So many companies and politicians have only TAKEN from Alaska without understanding the local and state need for preservation and rights of natives and residents.</p>
170	<p>I'm really looking forward to that phone app</p>
171	<p>I've been fishing once on the last 20 years. Got a permit, went on the boat and never fished but keep getting surveys... not sure I'm the best one to answer</p>
172	<p>I've only made one trip up so far. My disappointment was with the outfitter we chose. we picked dates that should have been the peak of the chinook season, then arrived to find out we'd missed by a couple weeks.</p>

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
173	I am a poor choice to take this survey. I'm sorry, as I have fished only 3 days on one trip last year.
174	I am a tourist and answered the survey questions as such... It was very easy as a tourist to get a license and information, great job!
175	I am concerned about the decline in the King Salmon numbers in many of the States fisheries.
176	I am happy to help with surveys. My experience is somewhat limited though.
177	I am not a fisherman and only received a license because I took a salmon fishing excursion while on a cruise. I know nothing about this and therefore my responses would not be helpful. I do not plan on ever fishing in Alaska again.
178	I am so glad that as a whole you are looking at making a place to get any and all information in one place and at our fingertips. Thank you
179	I applaud the effort to try and simplify the regulations. Sometimes I feel like I need to hire an attorney to help me figure it out.
180	I appreciate that the department is taking this survey, all departments should be asking these questions.
181	I appreciate that you're reaching out to the end user and recognizing our interest
182	I appreciate the goal of this effort to improve the information to the Alaska fisherman.
183	I appreciate the opportunity to get to fish in Alaska.
184	I appreciate the opportunity to give input through this survey.
185	I appreciate the survey - I think it's a step in the right direction in an attempt to make the process better
186	I appreciate you guys wanting to better the system.
187	I appreciate your asking
188	I appreciate your effort. As a formerly long term Alaska resident that spends considerable time there every year, I look forward to continued successful management.
189	I believe that King Salmon regulations should be more strict so populations can continue to grow, commercial and sport.
190	I believe your favoritism to commercial fishing is destroying sport fishing opportunities in Alaska. Just look at poor King salmon numbers as an example.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
191	I bought a fishing license to attempt to catch some northern pike in a river while I was moose hunting in September 2017. For the three hours that we fished, in a river system SO far removed from any populated area, it would have been nice to just be given a ‘pass’ to fish with the purchase of my several-hundred-dollar hunting license. Also, none of the salmon regulations, which seem to be a predominant focus of the regulations booklet, applied to me.
192	I can’t honestly respond to #31 & #32 as I have not experienced any problems while fishing in Alaska. I have always used guide services and professional charters and the results have been more than satisfactory. I do rely on them to be informed and to ensure that I follow the rules on each trip. They may have had some comments both positive and negative but I am not in a position to use those comments as my own.
193	I catch and release and I caught a lot of fish and had a great experience.
194	I could go on and on, but all in all you have a big job and you do it decently.
195	I did the best I could, considering I am a non-resident with very little experience fishing in Alaska. We hired a boat/guide and they were very knowledgeable on the rules and regulations, and strictly adhered to them, explaining what they were and we went about our charter.
196	I didn’t feel the regulations were very hard to read but at this time I only have gone to one area and about the same time of year but updates to the site and if there is an app would probably be a good thing. I don’t Facebook and probably will not have an account. Thanks.
197	I do have difficulty finding the exact regulations I’m looking for in the paper copy. It probably wouldn’t hurt to look at other state’s regulations books and beg borrow and steal some of their good ideas to make Alaska’s better.
198	I do not sport fish so many of these questions are not relevant for me. I dipnet only.
199	I do not understand why we still do big fish tournaments i thought all halibut over 100 lbs were the breeders
200	I do not use facebook
201	I do wish I was more aware of the potential to halt sportfishing in my area, prior to purchasing my fishing license for 2018. The halt came literally days after I bought my license.
202	I don’t believe its the Sport fishers that need to be regulated for amount of catch especially for halibut its the commercial fleet. Current regulations are really not in the best interests for guided charters because it hurts the charter captains bottom line.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
203	I don't do facebook, quit wasting money on stupid things and built a strong fish run.
204	I don't have Facebook and I don't use apps.
205	I don't love the way some people fish for/treat salmon at places like Bird Creek outside of Anchorage (ie: 'party fishing')/dragging salmon through the mud, etc.)
206	I don't use Facebook
207	I don't use social media, so have no clue what people find helpful.
208	I don;t use Facebook, and have no interest in a Facebook page. The app idea is great.
209	I don't know it comes under fish and game, but stocking the Kenai with kings should be considered. Thanks for the opportunity to participate in this survey!
210	I don't like the idea of using Facebook.
211	I don't use Facebook and never will
212	I enjoy fishing Alaska.
213	I enjoy fishing but don't often try new locations because it can be difficult to find/understand all the rules for an area you have never been too. sometime the rules use land/area references I'm not familiar with.
214	I enjoy sport fishing greatly, however there are some streams (Ibek in Cordova for example) I fear are being overfished. No studies are being conducted to see if this is the case. I also put subsistence fishing as well as commercial ahead of sport fishery as the main priority. Was happy to take the survey.
215	I enjoy survey-just didn't make up this year to fish
216	I enjoy the opportunity to sport fish Alaska.
217	I enjoyed completing the survey,
218	I feel a chance to smart phone app would be great
219	I feel this survey is a good idea, as it may help to make the right changes.
220	I fish many days every summer. Yet I have never been asked by a warden to show my license. Seems we need to spend more tax dollars for increased manpower in AK dept of fish and game. We need to better protect our fisheries resource !!
221	I grew up in Alaska fishing but now live in Florida. I still travel there every year and go fishing. Sometimes the regulations and zones are very complicated to figure out.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
222	I grown up fishing here and its always been this way so a lot of regs I just know, but my wife is not and she make me look the regs for her and make sure I'm correct. if you can help me to never here my wife say Back Home Fishing Was Easy You Can Understand The Rules, Up Here I Never Know if I'm Legal.
223	I guess the regulations need to be specific enough to get the point across. Do that as clearly and concisely as possible. Is it a sign of the times that people need these regulations spoon fed to them in single syllables? If they're confused, have them call an ADF&G office for clarification.
224	I have always used a guide and depend on their expertise.
225	I have been fishing the Mat Su drainages for 50 years .The changes are depressing. Conservation of all fish stocks should take precedent over economic interest.
226	I have just begun to fish Alasaka and am looking forward to more trips. Any information you can provide to make planning easier and then good success is appreciated. Thank you for the survey!
227	I have learning disablities, reading is very difficult for me. I have to relay on others to read it to me.
228	I have lost most of my interest in sports fishing due to the complex regulations. My children have not shown much interest as well. The fear of black booted thugs, takes all of the fun away.
229	I have my doubts that these surveys are helpful. I hope they are at least reassuring.
230	I have on occasionally contacted your office about regulations and have always got a clear response.
231	I have only gone sport fishing in Alaska once, so I am a very novice fisher.
232	I have only had one designated fishing trip in 2014 the others trips were primarily hunting trips with fishing opportunities.
233	I heard stories of the wardens being unnecessarily tough on the tourist fishermen coming out of the fishing camps. I was appalled to hear this. (Didn't happen to me). We were specifically instructed of this and what to say and not say. Sounds like unnecessary bullying of an income source. There are idiots out there and rules need to be enforced but abuse of the good ones shouldn't happen. It's absolutely beautiful there and the fishing is phenomenal !!! Trip of a lifetime but if that had happened to me I would never return.
234	I heard that king salmon get caught in commercial nets meant for other fish and due to regulations get thrown away. Is there any legislation being brought up to address this? Either commercial restrictions or incentives to not waste but also not intentionally harvest?
235	I hope for Lifetime Sportsman's License program in Alaska :-)

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
236	I hope I can come up again sometime, had a great day fishing there last year.
237	I hope my responses help your efforts
238	I hope to enjoy the Alaskan outdoors for many years to come.
239	I hope you develop an app that would give anglers up to date regulations...that would be so helpful!
240	I hope you put some of these recommendations into effect.
241	I hope you will share the results of this survey with us.
242	I like that you are reaching out to people for input.
243	I like the app idea, and definitely like the idea of a legal copy of a fishing license on your cell phone. I have been cited several times because I couldn't show my license, despite having purchased one, which have always been overturned, but is time consuming for myself and law enforcement.
244	I like the idea of an app that tells you location-specific regulations based on your current location.
245	I like the survey format. It is user friendly.
246	i love coming to AK. I fish mostly to eat and not to just fish. Thank you.
247	I love coming to Alaska for vacation and really enjoy Halibut fishing and always hire a guide. The guide always makes sure I know the regulaions and I never have had any trouble with your department.
248	I love fishing and hunting but sometimes very hard to understand
249	I love fishing in Alaska. I want it to be good for generations to come. Regulate the heck out of it, but include everyone in restrictions.
250	I love the idea of the mobile app.
251	I love to Fish, and where are all the cut throat trout :) I am glad to see ADFG are taking input from the public to help better understanding regulations and create a more easily read/understood regulations book
252	I might be too much in the know, but I find SF regulations fairly easy to navigate. The one issue I have run into recently is clarifying what would happen if I returned with subsistence caught rockfish or ling cod (rural halibut skate) while also sport fishing for salmon. I received conflicting information rom Sitka and Ketchikan for ling cod prior to season opener on May 16, and clarified with troopers that if I caught a ling before SF season opener on the skate, but is okay . Is my good word enough when I say I caught the king salmon on rod and reel, but the ling cod was taken on a skate? I understand the problem here because SF, CF and NOAA intersect on this issue. Could we put a clearly worded statement in the regs as information?
253	I never use Facebook, I realize that you may want to reach out to those using their website, but fill it's not necessary.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
254	I prefer to find lookup regulations and emergence orders on ADF&G's website, but site can be confusing to use. The site can be circular, go where you think you need to be, then find a link to again to where you think you need to be, repeat this a couple of times and then you end up back where you started and you still haven't found what you are looking for.
255	I RARELY take surveys.
256	I realize for some folks, sport fishing is a foreign concept and there are multiple barriers for access, primarily around the themes of cost and knowledge. I think the Department would benefit greatly from working with outdoor retailers and non-profits to make fishing more accessible to the general public. Host more social events, fishing days, technique tutorials, educational seminars, etc. Include equipment/gear/tackle give-aways to address the cost barrier.
257	I really enjoyed this survey and I will be waiting for your app.
258	I really liked this survey and would love to do some more. It makes me feel as if I'm contributing.
259	I think additional enforcement is warranted on most South Central and Kenai Peninsula rivers. I spend a lot of time on the rivers and the number of blatant infractions is alarming.
260	I think ADF&G is doing a good job overall on trying to manage our depleting salmon runs. I think the commerical fishing fleet needs to be shut down and sport fishing shall remain catch and release only until things turn around.
261	I think an app that is done well would be a great tool. I am unlikely to use Facebook in the way explored in this survey.
262	I think dipnetting should be for the twenty year residents an not the one year residents
263	I think generally the regulation process is good, and moving onto a digital platform is a logical next step. I believe it would also increase compliance of the well-intentioned public (such as people who may be in a remote location and won't/can't buy a one-day license). Any new platform should make sure anticipate technical errors (Phone GPS issues), and would need to be regularly updated and maintained! The only thing worse than no app is having a bad app. Thanks for the opportunity to comment, and let me know if I can help the process in the future.
264	I think I have said enough

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
265	I think if you read the regulations they make sense, it's just trying to figure out exactly where you are, especially if there's more than one bridge or a certain distance from open water is that as the crow flies or actual distance of the body of water. We come from Colorado and Oregon so we don't know what the locals know. Thank you for all you do!!!
266	I think overall your survey was very good. Some thought went into the questions.
267	I think that continued improvement to the website along with a smart phone app would be helpful. It would also be helpful if there were links to the subsistence fishery regulations.
268	I think that you need to survey lower 48 visitors after the season for input at the close of the season, similar to what your neighbors in British Columbia do.
269	I think the app is the best idea, Facebook is great yet lots of people do not use it.
270	I think there has to be better counting methods of fish stocks in all of Alaska I have seen failed counts on the Kenai River for years. Better control of commercial harvest and buy catch regulations. More restrictions on the number of commercial license given each year. I have fished the Kenai as a sport fisherman for the last 25 plus years and see that the river supports very few fish when the commercial nets are out as we call it the wall of death. The control of the number of emergency orders given to commercial harvest destroys the Kenai River sport fishery. The regulation of the number of guides on the Kenai River. The BS rules about bank erosion on the river one side of the river is posted while the other is not yet you are advised not too damage the bank with your net or harvest and fish and game comes to check on you and throws their anchor and chain on the posted ground to secure their boat causing more bank erosion than you fishing on it. I have seen areas posted incorrectly on private property across from areas of state lands. signs should only be posted in high traffic areas that have visible bank erosion not in areas of entrapment areas for fish and game where they don't respect the laws posted.
271	I think this is really great that you guys are doing this. I think you'll get a ton of feedback and hopefully use the data wisely!
272	I think this is very timely because I have heard many Alaskans suggest an app as a good potential tool
273	I think this survey is a good start to making the regs easier to understand and navigate

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
274	I think tight regulations are important and should be upheld to the highest standards. Resources are important to maintain and keep for future use and generations.
275	I think you are a good model for a lot of states I have fished in , I think there are many states that could learn a lot from your success for fish populations and keeping them Intact
276	I THINK YOU ASKED SOME GOOD QUESTIONS. THE APP POSSIBILITY AND EMAIL POSSIBILITIES COULD BE A TREMENDOUS HELP TO GIVING FISHERMAN INFORMATION.
277	I thought they were easy to find and use. Had not been to the area we fished last year and when we started asking the locals and guides if we had the regs right they said we did.
278	I use a guide and expect them to know all the details about fishing when I go.
279	I usually do not have an internet connection and i always have a guide who can communicate regulations.
280	I want to come back to Alaska again and fish
281	I want to reiterate the slot restriction for halibut in Icy strait area. Thank you.
282	I was a resident for almost 40 years and you have made king fishing even more expensive for residents with the one fish bag limit. why not consider a punch card with a weekly or seasonal bag limit. running out to Cape Edgecumbe and back and burning 30 gal of gas makes the 25.95 a pound for king at seamart a great deal.
283	i was very disappointed in the amount of king salmon guide boats that were allowed to be on the lower kenai. it seems to be VERY over used, noisy, and can't be good for the ecosystem. and i am not an environmentalist at all.....
284	I wish I could go there every year
285	I wish there was a better way to deter people from pulling our crab pots and taking our crabs. Maybe more patrol spot checking people pulling pots
286	I wish you guys had the budget for more enforcement. I've seen people take more than they were supposed to - and brag about it (so obviously not fishing by proxy for someone else). Sigh.
287	I would like to look up all regs for the creek I'm at and not have to flip back and forth. An app would be great to look up location or section of river.
288	I would like to one day catch a king salmon again. :-(

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
289	I would like to see a better way to implement emergency orders. After planning, paying for and anticipating a fishing trip to Alaska for many months, it's frustrating to get off a plane in a remote location and find out you can't even target a species for catch and release. Most of us are not meat fisherman. We practice catch and release. At least let us fish and return catch to spawn.
290	I would like to see an increase in the Permits and Harvest tickets for dip netting on the Kenai. If you do not live in the area and are from anywhere north of the Seward Y then you pay 100.00 For permit and each dependent you must have written down on your permit with ss number. Each one you are fishing for as head of household is an extra 25 dollars.
291	I would like to see more regulations of all fisheries to manage them better so our waterways can be returned to the level of flourishing fishing for everyone.
292	I would like to see results of this survey once it's complete.
293	I would like to see the regulations simplified. For example the Kenai River is so complex my coworkers who live there debate over what's legal where and when. They will even debate while looking at the regs. With salmon, get rid of this over/under a number of inches. Keep it simple, "you may keep 3 salmon but only 2 may be coho"
294	I'm enjoying my free fishing/hunting license (60+ Years old). Thank you for that! Actually, I feel a bit guilty not paying for my fishing license.
295	I'm so happy that I was randomly chosen for this as I struggle with the online booklet regulation. Also it would be awesome for an app as many people now has smartphones.
296	If I understood the regs better, I would fish more often and in more places. I tend to stick to the rivers I know because I know what's legal and what's not. I don't want to get in trouble because I didn't realize I was at the wrong river or am using the wrong gear.
297	If there were a couple scenarios for daily limits/season limits written out in a story or made into a video I think it would be helpful. The moose hunting vids were awesome. Fishing could use them too. Maybe they are there and I didn't see them.
IE	Seth has been fishing river "A" for 3 days on a float trip. This river allows Seth to keep 4 trout per day and 12 per season... on day four Seth has hit his limit of trout. He is now only allowed to keep char. He's within the law to do this....but not this. Many float trips will end up like this. Be careful not to do this.....or that....but you are allowed to do this.....and that.
	Thanks!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
298	If we don't stop the commercial fishing we will not have any sport fishing. More money can be made from people coming to catch fish than ever will be made from large scale commercial fishing that takes most of the money out of state.
299	If your G&F people don't know the regs then how do you expect the public to understand them
300	IM GLAD YOU ARE SHOWING A LOT OF INTEREST IN PROTECTING YOUR RESOURSE
301	im not sure but are there areas of just fly fishing for salmon only ?? just wondering
302	Impact of sport fishing on fish populations is only a fraction of the impact made by commercial fishing. Treat it as such and give the sport anglers a break.
303	Improve fishing weather
304	Increase cell coverage in coastal areas
305	increase Halibut limit to at least 6 annually
306	Increase lower size for halibut and/or set a maximum size for larger halibut to preserve breed stock.
307	Inseason reporting could provide better information to all of us!
308	It's good to see that you are looking at improving the regs. We moved to AK in 1994 and the regs were difficult to understand at the time. After many years of digging through them I have developed an understanding but know that they can be simplified a bit more.
309	It's really good the way it is just needs a little tweak here and there
310	It's really great that you're doing this survey. Fishing and hunting in this state is confusing and concerning that you might be doing it illegally without knowing it.
311	it best to have a guide if its your first time fishing Alaska and there is updating on where you can and can not fish areas
312	It can be confusing because the regulations do change often, so it is important to have a method to communicate this out easily
313	It great to communicate with fisherman that read the regulations.
314	It has been my experience of 30 years living in SE Alaska politicians are the biggest threat to the resource. Trading votes for fish never works, but they keep at it.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
315	It is almost not worthwhile to fish in Southeast Alaska anymore because of all the low catch limit regulations that have been caused by the influence of the commercial fishermen. The sports fishermen pay a lot into the local economy and the are getting the shaft.
316	It is hard to reach everyone about regulation when they change quickly. Thank you for considering an app which will keep everyone updated and will save many trees if you don't need to print as many regs.
317	it is nice to be asked . nice to know you care
318	It would be awesome if ADF&G released there stocking schedule so it can be witnessed by the fisherman that pay for the stocking program through license fees.
319	It would be cool and convenient if the app had a map and you could simply click on a specific lake or an area and have the fishing regulations pop-up.
320	It would be nice if there was a way to bring numbers of fish back up to higher rivers so that households can actually go fish without having to go south and do some sort of netting. If we regulate whats happening at the mouth we can help the numbers at the top
321	It's extremely daunting dealing with sport fishing regs
322	It's great the ideas your thinking about and how easy it is to get the information.
323	It's infuriating when escapement is not met it is ALWAYS the sport fishing or subsistence that is closed first before commercial fishing. COMMERCIAL fleets should not be released until minimum escapement is met. If you truly care about a renewable resource make sure the minimums are met first. Closing sport fishing first is detrimental to those that rely on salmon. I know Commercial fisheries is a big business but guess what so is tourism that is bringing in more money.
324	Just that you are doing a great job!
325	Keep commercial fishermen out of Alaska waters
326	Keep Commercial Fishing away from Coastal Rivers
327	Keep doing a good job!
328	Keep doing what you are with the Kings. If the count is up,great. If not, close it down. Thanks for your service.
329	Keep fighting for our rights to obtain healthy food versus commercial interests.
330	Keep the rules simple
331	Keep up the excellent work that you do
332	FIGHT THE PEBBLE
333	Keep up the good avenue of information and I will be happy

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
333	Keep up the good efforts and great overall job!
334	Keep up the good work
335	Keep up the good work
336	Keep up the good work
337	Keep up the good work
338	Keep up the good work
339	Keep up the good work
340	Keep up the good work as I feel you are doing a great job to insure fish for the future.
341	Keep up the good work guys.
342	keep up the good work, create the APP that will be really helpful
343	Keep up the good work.
344	Keep up the good Work.
345	keep up the good work. And fish on!
346	Keep up the good work. Err towards maximum size limits on popular road-accessible fishing locations with long-lived fish such as lake trout, rainbows, etc. People taking limits of the biggest fish really hurt these fisheries for everyone else.
347	Keep up the great work!
348	King fishing is almost nonexistent in the area I fish. If it does not change, you will discourage sport fishermen from coming to Alaska. Say goodbye to all the dollars we spend in Alaska.
349	Know that true sportsmen are committed to helping preserve nature and the creatures in it. We are totally good with reasonable regulations. Please try to keep them simple though. Fishermen are not known for their brilliance, just their smell!!
350	Less regulation makes everything easier and funner
351	Let residents get the fish first, before commercials.
352	Like the current booklets layout.
353	Like the survey in general. Wish the Washington Dept. of Fish and Wildlife (WDFW) would do a similar survey. Regulations down here are getting too complex. Along with rising license prices and decreasing catch limits it is getting difficult to afford to fish.
354	LIMIT commercial fishing....And give the Sport fisherman more freedom to catch fish with LESS regulations.....
355	limits of fish that can be caught almost makes it not worth the time, money, and effort to keep fishing. To many fish going to commercial fishermen!!!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
356	Ling Cod and Halibut restrictions are going to kill the sports fishing industry. Commercial fishing is killing sports fishing.
357	Lived in Alaska for 7 years and loved every minute of sport fishing. Every trip back we try to fish.
358	Local gripe. I don't mind having AGFD check my fish for data collection when coming back to the dock, but there are no fish cleaning tables at the new facilities at Auk Bay in Juneau. You have to go back out to the ends of the piers (which no one does) or clean them at home.
359	Local residents days.fishing
360	Longer than I thought it would be. Get the smart app. Please
361	Look at comments on number 31
362	Look at Washington's sport fishing regulation pamphlet. It is laid out in a much more user friendly format.
363	Look forward to seeing a useful app.
364	Looking forward to returning
365	Love that you're thinking of ways to improve our understanding of sport fishing regs, and look forward to the app.
366	Love the idea of an app with offline capabilities.
367	Make commercial fisheries and sport fishing less intrusive on one another
368	Make the app have filters for where you're going to be fishing so you can get the alerts you want but not all the alerts going out
369	Make the app please! And have it use your location so it can pull up regs for your exact location! This would help so much in areas with eo's and specific regs for a drainage or body of water
370	Make the boundary maps more precise and clear.
371	Make the smartphone app!!!
372	Many of us out of state plan trips 6 - 9 months in advance, knowing the next years fishing regulations would be a big help when we are planning a trip. Bottom line, get the regulations for the next year out in December.
373	Maps delineating open/closed areas would really help
374	Maybe a license should require passing a yearly quize pertinent to each type of fishing done
375	Maybe highlife in the guide things that changed from the previous year to grab attention
376	Met the rangers a few times, great folks.
377	Might provide better or more granular data if you separate out cruise ship or other tourist fishing from local fishing.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
378	More apps and on Facebook is very helpful.
379	more of these surveys are a good start. Make the fishing board an even split of sports fisherman and commercial fisherman it shouldn't be one sided like it is now.
380	More organized cleanups of lakes and waterways is needed. As well as education of others that utilize outdoor spaces about the obligation to cleanup after themselves.
381	More personal and sport use records and reporting required for accurate data
382	More science, less politics!
383	More stringent enforcement of limits. How to care for your catch, keeping or releasing for visitors.
384	More survey about cost to the people. Raise cost and tout your stats. Publish in booklet EXACTLY or as accurately as ethically possible where that money went to get this state to bounce back with stock. Bycatch folks.
385	Most of our fishing experience lately has been in Montana.
386	Most out of state sportsmen are visiting Alaska only one week per year. Just knowing fish limits ahead of time instead of last minute regulations would be helpful.
387	My first experience in Alaska was last year I will definitely be back.
388	My fishing is confined to one lodge on one river with no king run. Only opens on the first week in August. They protect the resource VERY well.
389	My guide was very knowledgeable
390	my shrimping is not a sport, it is for food, I live out here, sucks you close it in winter, I dont even go anymore, it should be open federally inside 3 miles
391	nah. just want to take home more fish.
392	need better understanding of the relationship btw sport and commercial fisheries on the Kenai. don't know who much of what we hear is fact or fiction
393	Need to better manage set nets/commercials in Cook Inlet or we will see fish disappear from Alaska just like they have in the L48.
394	Need to regulate commercial fisheries better. Current regs allow them to kill off entire runs of kings in particular then they can't even keep em. Waste of a valuable resource.
395	Need to start thinking about run timing with respect to warming - things seem to be getting later so we can't panic when arrival is later than the historic average date.
396	Nice to see ADF&G is trying to improve.
397	No additional comments
398	No additional comments.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
399	No Comments - Satisfied
400	No Facebook because you never know if you can trust there information
401	no issues. when you ask earlier how many times one has fished Alaska you should be specific as to wether you want amount of days fished or the trips to Alaska to fish. i assumed days by the answer choices.
402	No questions of overall belief how Alaska fish and game is pro commercial and how sport fisherman are secondary concerns. No questions how Alaska fish and games sport fishing actions have affected tourism.
403	No, I was very happy with what I encountered. As long as 'your people' and those in the bait/tackle arenas, and the guide services are up to date, it should be smooth sailing.
404	No, just take some of the wolves of Prince of Wales Island!
405	No, other than I have a Stop Pebble Mine coaster on my desk.
406	No. I appreciate the opportunity to have input.
407	No. Thanks for asking
408	Non res are restricted to 3 kings annually before July 1 but only 1 after and then retroactively. Makes no sense. For truely conservation measures restrictions should be reversed! Main runs are early in SE. Severely need marine preditor control!!!
409	Nope - keep on doing what you're doing.
410	Nope. love to fish in Alaska and you folks make it happen!!
411	Not on the regulations but there should be a better way to alert angler's E.O's
412	Not sport fishing related but affects sport fishermen because they also use personal dippnetting. Stop choking off the river with Comm fish nets emergency openers time and time again. I used to catch all the fish I wanted by rod & reel. I haven't been able to for the last five years.
413	Not sure if you guys publish gas/electric motor Regs? I've always been passenger, but someday I'd like a boat and will need to figure out where I can and cannot take it.
414	Note that I am an out-of-state fisherman, only occasionally visiting/fishing Alaska.
415	Nothing at this time.
416	Nothing comes to mind
417	Nothing comes to mind
418	Older residents like myself are used to old way of doing things. We have to look to younger generations ...to make it easy for them to stay connected to a great Alaskan sport

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
419	On line application needs some fleshing out. Not very intuitive in several places.
420	On my trip to Alaska last year I did notice that your regulations were complicated and confusing
421	On the Kenai, there is an uneven escapement of fish to the river and available to the sport fishermen because of the commercial nets at the mouth. This year might be an even more serious problem with warming ocean waters reducing the early runs on the Copper River, and perhaps the Kenai too. There is a lot of cost for me to buy airline tickets, rent a vehicle, license fees, and find housing for me sons and me to have that time together. If there are few fish this year, it may be my last for a summer get-together with my sons on the Kenai. I'm not asking for any special privilege, just making an observation. I have no idea how important the money I spend on this trip each year is to the people of Alaska. If that money is important to support the State and the Fish & Game department, I hope a fair share of the resource (Sockeye) will be committed to the sport fishermen. We fish the run at the end of July.
422	One fish per species per year for all anglers regardless of residency , alien ,or human
423	Open the PWS to King Crab!
424	Other than the frustrating local rules on limits vs non local rules, we love coming to Alaska.
425	our fisheries are in dire straits and any money spent should be directed at habitat improvement, better management plans that favor the quality of the fishery instead of fueling a commercial driven fishery
426	Overall a outstanding job. Keep up the great work. I'll be back & hope to take grandchildren to experience AK.
427	Overall doing a great job with a great fishery. Keep up the nice work.
428	Paper versions of regulations are extremely frustrating due to the nature of changing regulations and emergency orders, along with very specific local customizations. Would be great to have it all in an app to download (with cross-references to applicable EO's).
429	Perhaps the question you guys should be asking is this; how often does a regulatory body create a facebook page and app and get a meaningful result that's measurable? My guess is rarely. It's also my guess this would cost millions, and then consume precious resources to maintain. Look at it this way; we all drive cars most every day. Do we want a facebook page and an app for the DMV? What's the point?

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
430	Please close down the commercial fisheries 2-4 days per week! The runs are considerably less from when I started fishing, and dramatically less from 5-10+ years ago.
431	Please distribute information to guides/lodges ASAP so they can in turn disseminate it to out of state clients. One year (2015) after paying a handsome sum to fish at Anvik River Lodge we were told on the boat ride from Anvik to the lodge that ADFGSD shut down the king salmon season. Disappointing.
432	Please do something about by-catch
433	Please get booklets in stores earlier and in large numbers. Thanks for caring and including the public.
434	Please help make reading and understanding regs easier to understand for folks like me that are novice fishers. Maybe educational videos about being a conscious fisher: picking up your line, littering, giving space to those landing a fish, respecting river bank restoration areas, what to do if you see someone violating regs
435	Please increase the possession limit of sockeye salmon on the Newhalen River near Iliamna from 5 per day/5 in possession to 5 per day/10 in possession. Sockeye are extremely abundant during the peak run and this fishery receives little pressure outside of locals. If the possession limit were increased to 10, I would be willing to camp overnight which would support the local economy with my food/lodging expenses and make this a worthwhile trip for the price of aviation fuel.
436	Please keep doing your job based on stock assessments and science. People's feelings, emotions, history of fishing the same spot, ethnicity shouldn't be a factor. More biologists, less meatheads.
437	Please keep up the good work.
438	Please keep up the great work. Fishing is such a great sport, especially in Alaska
439	Please let me carry a digital copy of my license!
440	Please make the catch and release fisheries FACTORY BARBLESS HOOK ONLY
441	Please make the kenai river king fishery catch and release for a few years. That river's king run is hurting, and needs help bouncing back.
442	please make the paper regulation books easier to understand by wording them better.
443	Please see other comments relative to the positive steps suggested for implementation by this survey.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
444	Please simplify the regs and consider that sport fishing is as important to the AK economy as commercial.
445	Please try not to 'manage' chinook salmon into extinction.
446	Please, Cut down the amount of herring being netted, we need herring! Most other species depend on it. I know its very political! Historical runs have greatly been reduced.
447	Please, NO smart phone app or Facebook. Neither are secure.
448	Post any and all emergency orders on all boat ramps and Harbor ramps.
449	post exceptions at or near the streams that are affected by special regs. We made a mistake once even though we read the regs a couple of times , we just failed to understand the confusing description
450	preservation of the indigenous species is key and limiting the numbers of fisherman if necessary is ok
451	Preserve the salmon, trout and char river fishing
452	Protect the fish - limit size and numbers of catches, especially for non residents
453	Provide more copies of paper regulation as they are extremely hard to find in stores
454	Provide some info/rewards for calling in poachers that are exceeding catch limits etc
455	put it on FB . you would get more responses. Also, put important alerts out on all social channels. Cell coverage is spotty in some areas, but the population ish centers will get more response.
456	Quicker notice of regulation changes
457	quit blaming poor returns on blobs. your mismanagement is the problem. commercial fishermen and non-residents should not get priority over those of us who live here.
458	Quit spending money on phone apps and Facebook. Real fishermen don't use them.
459	Raise non-resident license costs more. Our non-resident hunting and fishing costs aren't comparable to the lower 48. If they want to come use our resources we should charge them appropriately to fund our state programs. I believe there is enough interest in experiencing Alaska that we could increase fees without sacrificing outsiders willingness to pay licensing fees. They pay far more for the charter than the license to do it.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
460	re: survey My trip to Alaska in 2017 was an 11 day trip. Our fishing experiences were with friends from AK who knew regulations. We probably should have spent more time getting familiar with regulations before arriving so we wouldn't have been so confused when we were on our own. We will better prepare ourselves if we go back...yes, it's on the bucket list!
461	READ the comments and put your heads together and quit caving to the commercial fishermen and get your escapement and then let your nets out. then there may be a chance salmon may have a future
462	Real-time updates of fish counts, maybe? It's a killer to wait until the next day to see how yesterday was!
463	Really like the interest in fishers' opinions!
464	Recreational fisherman spend lots of money in Alaska but are being chase away by halibut restrictions.
465	Reduce commercial fishing!
466	Reduce or eliminate the commercial fishing in sport fishing areas.
467	Regional fishing regulations, especially emergency orders are sometimes a little hard to decipher. A regional drainage is listed and then an emergency order is given for region and lists river drainage and tributaries, but may not include all of the region only the river and it's drainages. It is confusing when region is listed as river drainage and then order lists river and tributaries but there are multiple other river systems within the region and are not affected by order.
468	Regulating alone does not seem to be solving the salmon crisis. I believe it is a crisis. There should be a major coordinated effort, state, local and federal, to figure out what is going on. In the end, I believe it does come down to human factors; pollution, over harvest/illegal harvest, habitat degradation/development, etc. Thanks for listening.
469	Regulations are necessary. Good luck.
470	Regulations are so complex these days that it is easy to make a mistake in the field and I have seen instances where enforcement is overly harsh. Give us folks trying to do the right thing a break.
471	Restricted fish should be written down before landing-not immediately-we were ticketed 45 miles out for not immediately writing down our catch-we had two hours to do that before returning
472	Revisit the scale of sport fishing regulations to see how well the geographic scale of management aligns with the ecological/biological scale of the resource. Perhaps including some rationale for regulations might help readers better understand the why behind regulations and create a more lawful fishing public.
473	See above re social listening

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
474	See above, question 31.
475	See previous comments.
476	Seems like limits for locals are excessively high and limits for visitors excessively low!
477	Seems like more detailed maps of closed, restricted, or special restrictions areas would be helpful. Descriptions of drainages are confusing to most people who just want to go catch some fish.
478	Simplify the regs, enforce the laws, and put some restrictions on commercial fisherman so I can maybe salmon fish in my own neighborhood at least one more time before I die.
479	Simplify the regulations, now it seems that every biologist has his/her own regulations.
480	Since I started fishing in southeast Alaska 12 years ago, the increased restrictive regulations have become a disincentive to continue to fish in Alaska.
481	since we cant go back how it used to be 40 years ago. no more comments
482	Skip Facebook info. I think that mode of communication is on the out. Smartphone app would be timeless.
483	Smart App is a good idea
484	Smart Phone app could keep excellent data on fish harvest, size, etc and offer prizes for reporting.
485	Smartphone app would be great
486	Smartphone app is great idea!!
487	Snagging of sockeye in fresh water should be legal. They are snagged anyway and you would get your limit quicker, easing pressure on the river bank. There should be limitations however on tackle.
488	Some words or phrases (e.g. head of household, party fishing, record immediately) need better definitions to improve clarity.
489	Sorry I had to quit Alaska, but I like to eat 'white fish' from SE AK and it is just too expensive for 1 ling, one yelloweye and small halibut.
490	Sport fishing is a huge part of the Alaskan economy, it makes me wonder why you seem to cater to the commercial fishermen who contribute very little to the local economies. It's frustrating when the sportfishing limits are kept down while the commercial guys are allowed to continue to fill their boats.
491	Sport Fishing limits seem to be reduced every year and will stop fishermen from coming to Alaska and adding to you economic growth.
492	Sport Fishing seams to take a back seat to Commercial Fishing. We are NOT the primary killers of fish. If the fish don't reach us, we can't affect the counts.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
493	Sport fishing should have a much bigger share of Alaska's fish than we currently are getting.
494	Sportfishing is not the problem
495	start managing the pike in the Mat-Su and Susitna drainages. Either eradication or create trophy fisheries where needed. The hammer handle pikes are not efficient for sport fishermen, the local economies and the protection of native fisheries.
496	Stop killing Pike. I don't subscribe to the illegally introduced theory. Pike are a great sport fish. Great to eat. Fun to catch. Strong survivors. I don't fish for salmon due to the ever changing and hard to decipher regulations and the overcrowded conditions due to these regulations. The more that can be done to enhance the 'wild' fisheries (pike, trout, dolly's, grayling etc) that supports the sport fisherman, the better. Not hatchery raised salmon that supports \$\$\$\$\$\$. If you wish to support the salmon numbers....then do something about the commercial fisheries.
497	stop pandering to oil interests
498	STOP STEALING FROM 'SPORT' FISHERMAN AND GIVING OUR RESOURCES TO COMMERCIAL FISHERMAN!!!!!!!!!!!!!!
499	Stop the log books. Very hard to keep these accurate in inclement weather and record exact data when it comes to release numbers.
500	stop the wholesale slaughter of spawners by 'sports ns subsistence' use. Stop fishing in spawning beds
501	Stop with the charter regs for the under xx inches or over xx inches for halibut. Stop trophy halibut charter fishing altogether!
502	Sturgeon Fishing Reg's for Southeast Alaska. Taku Mendenhall and Berners Bay.
503	Suggest using minimal or less social media
504	Sure would be nice to be able to catch and keep kings in the Valley.
505	survey is a very good idea
506	Survey was too short.
507	Thank you again for this opportunity in taking your survey
508	Thank you for all that you do
509	Thank you for all the hard work you do everyday!
510	thank you for asking
511	Thank you for asking. I appreciate that ADF&G is looking to improve processes for those who love sport fishing in Alaska!

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
512	Thank you for continuing to improve sport fishing regulations and information! Please, keep things available away from Facebook. FB can be useful, but it is completely unreliable to get good, accurate information. Hard to trust anything on there, even if it looks like it comes from an official source!
513	Thank you for doing this!
514	thank you for doing this.. our view matters too
515	Thank you for finally asking for input!
516	Thank you for including me in this survey.
517	Thank you for innovating!
518	Thank you for looking into making regs easier to understand. Could you pass this idea on the the Hunting Division?
519	Thank you for maintaining a healthy fishery.
520	Thank you for making this survery. The app is a great idea, and I hope you are successful in making it!
521	Thank you for protecting our resources! It is a joy to fish in Alaska!
522	Thank you for reaching out to the people who fish and hunt for feedback as to what we need. It is appreciated.
523	Thank you for taking the time to do this and getting public opinion before jumping in.
524	Thank you for the opportunity to speak out.
525	Thank you for the opportunity.
526	Thank you for this opportunity to have I put.
527	thank you for trying to improve things.
528	Thank you for trying to protect the natural fisheries, my fear is too much commercial fishing will cause several to disappear in my lifetime.
529	Thank you for what you do.
530	Thank you for working to continue to improve communications and ease of use regulations for the fishing user groups to stay within the regulations and still feel welcome to fish in Alaska.
531	Thank you for your concern and trying to improve on your service. That's always appreciated
532	thank you for your service thus far.
533	Thank you for your time.
534	Thank you for your work
535	Thank you. Last year we only went 2 days weather sucked one day no fish, next day gorgeous great fishing. Please know this is a very expensive trip for some people. Getting limits for the whole week would be nice to reward for cost of trip. Thank you

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
536	Thanks DSF for all you hard work!
537	Thanks for affording me the opportunity to help.
538	Thanks for asking :)
539	thanks for asking me
540	Thanks for asking opinion on this and what an ideal app should look like
541	Thanks for asking our opinions.
542	Thanks for being interested in the experience for folks using ADFG
543	Thanks for being proactive and asking questions I am happy that you care
544	Thanks for doing a good job,
545	Thanks for doing this
546	Thanks for giving me the opportunity to do it
547	Thanks for giving me the opportunity to take the survey. I have fished for salmon most of my life and I love fishing in Alaska with my family.
548	Thanks for including me.
549	Thanks for making the process easier to understand and follow.
550	Thanks for putting this survey together. I really appreciate the fact that you are asking for feedback. Also, I know that I'm in the minority, but I am a 'No Facebook' person by choice.
551	Thanks for randomly asking for fisherman to state their opinions!
552	Thanks for reaching out I hope to be able to experience more fishing in future
553	Thanks for seeking feedback.
554	Thanks for seeking our input
555	Thanks for sharing the opportunity to give comments. Could ask if the person who is responding thru the survey has actually caught fish, and if it was the targeted species they were after.
556	Thanks for surveying and allowing input.
557	Thanks for taking a pro-active approach to improve your services. Well done.
558	Thanks for taking the time to see what can be improved. We all really appreciate it!
559	thanks for the chance to give input:)
560	Thanks for the opportunity to report
561	Thanks for the opportunity to take the survey.
562	Thanks for the survey
563	Thanks for the survey.
564	Thanks for your efforts!
565	Thanks for your efforts, I realize its not an easy task.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
566	Thanks let the public know if an app comes out and if something similar would happen for hunting. Thanks.
567	The 'english' used within the quotes during the preference/order part of this survey was unbelievable. Really, enjoyed traveling to Alaska and fishing last year, we only used reputable guides so they interpreted the regulations for us. It's difficult to commit to spending big dollars on airfare and charters when in theory you could close fishing in a particular area. It's hard on the 'tourist' and the captains and I think reduces the number of sportsman heading to AK. Great that you are trying to reduce the noise and confusion!
568	The ADFG has a challenging task to provide the tools for fishermen to understand regs that are often dynamic. It would be of little benefit to simply put all of the regs into an app, or on FaceBook or another media. For many of us, it would make things worse. When looking at an app, I have one window to the information. When I have a booklet, I can quickly see the 'big picture' and all of the available components. I applaud you for your efforts!
569	the app is a great idea and could be a very efficient use of technology
570	The app sounds like an excellent idea
571	The battle between sport fishing and commercial fishing, there are politics vs resource protection
572	The complexity of the regulations is reduced after someone has spent time becoming familiar with the various methods used to regulate fishing activity and the different waters. With so many options available, there is some burden on the individual to actually study and learn. An app could help narrow the scope of relevant regulations more quickly than a booklet through GPS or use of selective criteria. You will have to overcome the 'Bubba' factor though.
573	The complexity of your regs force me to use a guide, but I probably would, anyway.
574	The country is wonderfull.. I think every guide should be required to hand out an Alaska fishing regulation guide from fish and game
575	The current fishing regulations for catching sockeye with a rod are really unfair and severely challenging, requiring way too much luck. Extremely time consuming and tiring trying to catch sockeye with a rod, due to the silly 'foul' hook rules. This is my only option as a non-resident.
576	the department needs to make it fair across the board. When support fisheries get targeted for closures then commercial fisheries need to have the same closures. We need to protect the resource for the future generations and not worry about how much revenue the state's bringing in. If we need to enhance a river to maintain the population then do so.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
577	The emergency orders and no halibut fishing days are confusing and can make trip planning problematic.
578	The fact that you are reaching out for suggestions is admirable. I wish other states would take note and look to the folks using the resources for input. Thank You
579	The first question made me feel like i could possibly commit surgery! I am not exactly sure how many years i sport fished in alaska. No option for that.
580	The first questions is silly. Who knows that number if it's Over 5? Otherwise it was great
581	the fish will be dead soon.....good luck
582	the fisheries are hurting: 1. Limit the commercial catch - stop all commercial Herring fisheries! 2. Designate more non-commercial fishery areas within 15-miles of Sports fishing lodges - would preserve better stock for more human enjoyment and subsistence living. 3. limit those who are only visiting for a short while (3 days etc) from taking so much of the resource out of the ocean - encourage fishing lodges to be more about eco-tourism versus just catching and taking fish. 4. ALLOW FISHING LODGES TO EAT THE FISH THEY CATCH! THE GUESTS WHO CATCH FISH SHOULD BE ABLE TO HAVE THEIR FISH PREPARED FOR THEM. IT WOULD REDUCE THE AMOUNT OF TAKE, AND PROVIDE A BETTER OVERALL EXPERIENCE FOR THE VISITOR. IT WOULD ALSO LESSEN THE DEMAND FOR MORE COMMERCIAL TAKE.
583	The idea of an app is awesome We would definitely use it
584	The idea of an app is great, I would recommend breaking it in pieces at at time to ensure functionality and gather use data.
585	The Kasilof River needs to be managed separately. The daily limit should be reduced from 2 to 1 King Salmon. There is absolutely no reason to have it at 2 other than someone made a proposal years ago when we had more fish
586	The Kenai river kings should not be subjected to catch and release. If the run is in peril then stop the fishing period.
587	The limit regulations have all but ruined your charter fishing. Tourism and fishing should be considered when the harvest count/limits are set
588	The most difficult thing for me is that the regs are always changing - which I get is necessary - but it should be easy to find out what the current regs are at the moment for legal and planning purposes.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
589	The most idiotic of all is that salmon are alaska regulated and halibut by the federal government.
	Someone explain why no halibut between 38' and 80' can be kept by sports fishers. Also why so many limitations on sports fishing when commercials can strip mine the fishery.
590	The most people I know that fish Alaska want to know what the rules are going to be, and to not know that there is a probability of a change to a limit, or what you can fish for....kind of kills the enthusiasm for spending the money to get to Alaska to fish.
591	The no-fishing for halibut days makes planning a trip very stressful. We were not able to fish for halibut on the best day of the week - two different trips. Would rather have a yearly or weekly limit but be able to fish any day that the weather cooperates. This is very important to me.
592	The price for a non-resident 3 day fishing license is \$45.00. Consider offering a 2 day fishing license for non-residents.
593	The reg book makes my head hurt. I'm going to go drink now
594	The regulation is difficult to understand for someone who does not live in alaska.
595	The regulation regarding "keep the fish in the water" seems unrealistic while taking photos. They are so darn slippery already. It was new to me last year. Don't fish like to jump out of the water anyway?
596	The regulations are not clear about defining what is fresh water versus salt water at the mouth of a river during a changing tide.
597	The regulations could be listed better in the future but are understandable and I haven't had any issues in the past with understanding the reg and following the rules
598	The regulations for Ling Cod is very confusing, different every year.
599	The regulations seem biased towards commercial fishing rather than sport fishing.
600	The rules are very confusing. Would be helpful to organize them differently
601	The salmon family regulations are very confusing and difficult to navigate.
602	The survey definitely takes longer than the suggested 10 minutes.
603	The survey is a bit long and a bit repetitive.
604	The survey seemed to cover important issues.
605	The survey was pretty good, even if some of the questions didn't apply to me very much, I can see how they would be useful information to get from people that they affect more than me.
606	The survey was well composed, and easily navigated.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
607	The system needs more consistency when possible
608	The web site is informative it just needs to be read sometimes a couple times to understand and I enjoy the books I use the web site to back up the book and check e-orders
609	There are a lot of areas in Alaska where there is not cell/internet coverage.
610	There are Billions of salmon running up the streams of the Aleutian Islands and dying. There is no such thing as too many fish going up to spawn! Get the commercial fleet away from the shores of the main land alaska and out to the islands with billions of salmon.
611	There is always room to improve. Thanks for making the effort.
612	There needs to be either a better release system for deep sea fish, or a change to the catch numbers. The last time I was there, summer 2017, we left a trail of floating, dying Yelloweye everywhere we went because the release system was poorly designed. I would much rather have kept them, but was limited to one per day as a non-resident.
613	There should be more enforcement of fishing regulations around the state.
614	They are sometimes confusing. Maps should be more detailed with color overlays/shading to make them easier to read.
615	Think an app would help with getting updates/emergency orders in a timely manner
616	This is a pointed survey that seems directed to fix the problem areas you think are problems. You need to see what people think are problems not maintain your agenda.
617	This is first year since 1994 that I am not fishing in Kodiak because of yearly decreased limits on Coho/Halibut and black rockfish
618	This is top notch and hope it improves relations between ADF&G and sportsmen. Would like to see the same on hunting regs. I'm a non resident and rely heavily on the lodge owner for input on region specific regulations. By having an app on my phone I would be more at ease when visiting your great state to fish.
619	This is very skewed to arrive at answer you already have
620	This outreach and opportunity for input is greatly appreciated and sends a clear message that the department is concerned with the user and their ability to understand and operate under the regulations. Thank you!!!
621	This survey brought up some very interesting on line applications to get information to fisherman.
622	This survey doesn't work on mobile devices. You should consider a platform for your survey that does. You may get more responses that way.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
623	This survey is not obviously applicable to tourist fishers.
624	this survey is silly
625	to generous limits to state residents
626	To many regs. Shut the Kenai down to all fishing for 5 years to help salmon numbers
627	too many guides and commercial fisheries. Non residents should not be allowed to guide or participate in commercial fishing.
628	Tourist/non-native licenses are a bit expensive. \$25 for a 24hr license is a bit high. Offer weekly licenses or have a plus 1 for native Alaskans.
629	Try to make regulations easier to understand. I realize this can be difficult in a multi-use fishsry like the Kenai.
630	Turn the Kenai River into catch and release ONLY.
631	Using technology to post changes, closings etc would be beneficial.
632	Very concerned about King Salmon stocks in Sitka. Wish ADF&G would close to Charter fishing. ADF&G posting that it is warm waters killing salmon is just insulting. Cohos have been very easy to harvest last 2 years. So how does ADF&G explain this? They swim in the same waters?
633	Way too much freedom for commercial fisherman and way too many restrictions for the sports fishermen
634	we believe that the commercial fisheries are taking too many of the fish which is limiting the fish for the sport fisherman
635	we didn't catch any fish because the dnr guy gave my dad the wrong recommendations.
636	We fish with a guide who we depend on keeping us updated on fishing regaulationns.
637	We generally depend on licensed guides when we come to Alaska to fish. They really know their stuff and make for a great all-around experience for us.
638	We get a lot of outside fishermen who will fish there limit in one area, then switch clothes and vehicles and move to a different river and limit out again, sometimes back again in the evening. Maybe some check points set up at the Ibek, Eyak River landings, and Fleming Spit. It's a huge problem here. I did hear the one group from Utah finally got caught selling the Silvers they took home. Thank you
639	We need to figure out the King Salmon situation. The Parks Highway system is in shambles for years now. The Kenai is not worth it anymore. Also, need to address the halibut fishing and do something about the commercial catch.
640	we need to stop big harvests, fish go to waste and Costco has just as good of fish, need to fishing to improve in size and nuymbers

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
641	we need to stop the commercial fisherman from raping the oceans.
642	We think you do a tremendous job with your bag limits, your regulations and your monitoring. Kudos to all of you!
643	What about a lottery for resident and non-resident free licence/tags for year or season.
644	What ADFG can do better on is protecting herring runs. Also train officers to behave professionally and courteously with people at all times.
645	Whatever is done, should be done with costs to taxpayers in the forefront. If it results in more costs, then it should not be done.
646	When someone applies for substance fishing, house hold income should be a factor. When someone from Anchorage drives his RV and boat to copper river for subsistence fishing. I question The subsistence rules.
647	While I don't get to fish there but about once a year, thanks for keeping the sport alive.
648	Who really know the fishing laws? If you don't know, you make up a lies to cover your fat ass!
649	why did ask me for a survey, when there are people that know more about fishing ?
650	why do the sport fishermen suffer everytime there is a shortage? commercial fish always gets their share
651	Why does one have to pay a parking fee at a lot of locations?
652	With the youth day fishing have some gear available for the kids
653	Wonderful state keep managing it well.
654	Would be helpful to understand subsistence activities and who can participate...any differences for native peoples
655	would like for adf&g to start monitoring hooligan fishery. it seems like there is no monitoring of it and i think that it may be exploited.
656	Would like to see more fish for sport fishing instead commercial folks getting them all.
657	Would not suggest anyone going to Alaska to fish.
658	Wouldn't mind exclusive sport zones for crabbing but I do understand what an uproar that might cause!
659	Yeah, where are all our salmon going? You guys need to get a handle on it. When I came in 1996, the salmon fishing was phenomenal. It's dismal at best these days. Make the hard decisions.

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
660	Yes—you know neither option in question 16 is grammatically correct. The first option sounds like you are releasing the water. It would make sense to say 'Do not remove, from the water, a coho salmon you intend to release. In the second option two commas are necessary to make it readable—one comma after remove and the other comma after water. Thank you for considering those corrections.
661	Yes, lower non resident fees. Thank you.
662	Yes. Grow a backbone and strengthen the regs to protect the resource. Strengthen and enforce gear usage and types. Limit the numbers of guides on places like the Kenai and the Naknek rivers. Have more “guide free days” or “non-fesidents dont fish days”. A facebook page is not going to fix the fisheries in the State of Alaska. You people need to make some unpopular decisions, or there won’t be any sport fisheries left to manage.
663	You all are doing a great job, and my husband and I appreciate your service to our state and protecting our fish runs and stocks!
664	you all do a great job and I love fishing in the state.
665	You are taking the right step via this survey,
666	You can fix the problems with an app.
667	You do a good job - we support you. Keep it up!
668	You do a great job of managing the fish and game it's just very difficult to decifer the regulations
669	You guys are and have been doing a good job
670	You guys do a great job protecting the fisheries . Keep it up!
671	You guys put out a pretty decent regulation book. Its hard to put out something that all people will read and understand equally. Having different forms of the regulations available (app, email, paper, posted) will help get the regulations across. The new hatchery on Reeve Blvd is pretty fantastic. And when you go in to the Raspberry office with someone from out of state or new to fishing, the printouts and pamphlets are super informative.
672	You guys run a great fishery program and I feel in remote location the app would be a great tool for sport fishermen and guides.
673	you have stopped me from fishing many times because the regulations are so complicated, I don't know if I'm 'legal' or not when I go fishing
674	You might want to think about not over fishing king salmon. Netting rivers and their mouth is not smart. It only takes fools to ruin fish runs as good as Alaska had to offer.
675	You need more respect for individual fishermen and visitors bringing in tourism dollars for guides, rooms, restaurants. A lot of the boats take their dollars and winter in Arizona or Seattle. Don't help the local economy much then

Table 20: Additional Comments or Comments on the Survey (*continued*)

id	Responses
676	You need some input from non resident fisherman as well.
677	You undermine your tourism Industry but cutting the halibut limit to four fish a year. I won't fly 4000 miles to keep three salmon a day after my halibut limit is exhausted
678	You wouldn't have to shut down the King fishing in rivers if you kept the commercial fishermen out of the rivers and blocking the inlets so the fish can't get upstream to spawn.
679	your bag limits for non-resident sport fishing are too low and truly make us not to visit Alaska for any fishing as you provide large limits to commercial and nearly nothing to non-resident sport fishing.
680	Your regulations need some serious editing. They are soooo confusing. Even your suggestions earlier were poor choices to choose from.
681	your sport fish help desks are always very helpful and a valuable resource to me.
682	Your website is very helpful and has a ton of information. I've used it frequently to get updates on emergency orders and enjoy getting updates through the area fishing reports.

Appendix 5: Online Survey Instrument

Thank you for helping with this important study about sport fishing regulations in Alaska, sponsored by Alaska Department of Fish & Game (ADF&G).

This survey will take about 10 minutes of your time. Your identity will be kept strictly confidential. You will not be identified by name in any reports of the completed study. All responses will be identified only by a code number and reported only in the aggregate. Only the summary results will be shared publicly.

There are no foreseeable risks to you associated with research. Participation in this research may benefit you directly by enabling ADF&G to communicate about sport fishing regulations more effectively. If you have questions at any time, please contact:

Lisa Evans
Assistant Director
Division of Sport Fish, ADF&G
[email address]

Q1. How many years have you been sport fishing in Alaska?

Q2. Averaging the past three years, how many times each year did you sport fish in Alaska?

1. 0 times each year (on average)
 2. 1–5 times each year (on average)
 3. 6–10 times each year (on average)
 4. 11–15 times each year (on average)
 5. 16–20 times each year (on average)
 6. 21+ times each year (on average)
-

Q3. Rate how well you understand Alaska sport fishing regulations.

1. Do not understand
2. Hardly understand
3. Somewhat understand
4. Mostly understand
5. Understand well

Q4. For you, how confusing are Alaska sport fishing regulations?

1. Very confusing
2. Mostly confusing
3. Somewhat confusing
4. Hardly confusing
5. Not at all confusing

Q5. For you, how easy is it to find Alaska sport fishing regulations?

1. Hard to find
2. Mostly hard
3. Somewhat hard
4. Mostly easy
5. Easy to find

Q6. Does the complexity of Alaska sport fishing regulations ever keep you from sport fishing in Alaska?

1. Rarely (0–10% of the time)
2. Occasionally (25% of the time)
3. Sometimes (50% of the time)
4. Often (75% of the time)
5. Always (100% of the time)

Q7. How often do you or someone in your group check sport fishing regulations when you go sport fishing in Alaska?

1. Rarely (0–10% of the time)
2. Occasionally (25% of the time)
3. Sometimes (50% of the time)
4. Often (75% of the time)
5. Always (100% of the time)

Q8. When you do look up sport fishing regulations in Alaska, when do you typically do so?

1. Before I leave to go fishing
2. On my way to the fishing spot
3. When I reach the fishing spot
4. I don't check them

Q9. How do you *currently* get information about Alaska sport fishing regulations? (Select all that apply.)

1. Booklet (paper copy)
2. ADF&G website
3. Digital version on smartphone or tablet
4. Internet source, but not ADF&G website
5. Facebook page
6. Twitter
7. Email
8. Tackle store, sporting goods store, or bait shop
9. ADF&G staff or office (call, in-person visit, or email)
10. Newspaper
11. Radio
12. Sign board near fishing spot
13. Ask someone

14. ((I don't access them - N/A))

15. Other:

Q10. How would you *like* to get information about Alaska sport fishing regulations? (Select all that apply.)

1. Smart phone app
2. Text message
3. Booklet (paper copy)
4. ADF&G website
5. Digital version on smartphone or tablet
6. Internet source, but not ADF&G website
7. Facebook
8. Twitter
9. YouTube
10. Email
11. Tackle store, sporting goods store, or bait shop
12. ADF&G staff or office (call, in-person visit, or email)
13. Newspaper
14. Radio
15. Sign board near fishing spot
16. Ask someone
17. Other:

Q11. Sometimes ADF&G issues an Emergency Order during the fishing season. An Emergency Order changes sport fishing regulations on short notice in a specific area for a specific time period (e.g., reduces the bag limit on king salmon in River X for part of the season). Have you heard of an Emergency Order before?

1. Yes
2. No

Q12. How often do you or someone in your group check if an Emergency Order has been issued for the area you are planning to fish?

1. Rarely (0–10% of the time)
2. Occasionally (25% of the time)
3. Sometimes (50% of the time)
4. Often (75% of the time)
5. Always (100% of the time)

Q13. How would you like to receive notifications about Emergency Orders?

1. Smart phone app
2. Text message
3. Twitter
4. ADF&G website
5. Newspaper
6. Radio

7. Facebook
 8. YouTube
 9. Email
 10. ADF&G staff or office (call, in-person visit, or email)
 11. Sign board near fishing spot
 12. Other
-

Q14. We want to write regulations as clearly as possible. For you, which one is easier to understand?

1. A
2. B

A	B
<i>In waters open to king salmon fishing, no fishing is allowed between 11:00 p.m. and 6:00 a.m. May 15–July 13.</i>	<i>In waters open to king salmon fishing, fishing is only allowed between 6:00 a.m. and 11:00 p.m., May 15–July 13.</i>

Q15. For you, which one is easier to understand?

1. A
2. B

A	B
<i>A coho salmon removed from the water must be kept.</i>	<i>If you remove a coho salmon from the water, you must keep it.</i>

Q16. For you, which one is easier to understand?

1. A
2. B

A	B
<i>No person may remove from the water a coho salmon he/she intends to release.</i>	<i>Do not remove a coho salmon from the water you intend to release.</i>

Q17. For you, which one is easier to understand?

1. A
2. B

A	B	
Season: June 19–21; June 23; June 26–28; June 30; July 2–4; July 6; July 9–11; July 13; July 16–18; and July 20.	Jan. 1–June 18	Open to all species, including king salmon.
	June 19–22	Closed to all fishing.
	June 23–25	Open to all species, including king salmon.
	June 26–29	Closed to all fishing.
	June 30–July 2	Open to all species, including king salmon.
	July 3–13	Closed to all fishing.
	July 14–Dec. 31	Open to all species, except king salmon.

Q18. People can look up regulations in different ways. Some look up where they are going first. Others look up what they want to catch first. Others do something else. Put these in order of how you like to look up Alaska sport fishing regulations by numbering them:

- Geographic area (location to fish)
- Species (what want to fish)
- Harvest (what allowed to keep or not keep)
- Season (time of year)
- Method (what equipment using to fish)

Q19. ADF&G puts out a printed booklet of regulations, one for each region of the state. At the front of the booklet are general regulations, then there are specific regulations to a geographic area. Some people like to flip right to a geographic location and want to see everything they need all in one place. Others don't mind flipping back and forth in a booklet. Which do you prefer?

1. See all relevant regulations for a geographic area in one place in the booklet
2. Look at general regulations, then check for location-specific regulations

Q20. ADF&G is considering creating a smartphone app. The app would allow data to be cached on the smartphone, granting offline access and then updating when the phone has cellular or Wi-Fi reception again. The app could focus on different tasks. How important is

each to you?

- Communicating sport fishing regulations: Not at all important – Somewhat important – Moderately important – Very important – Extremely important
- Trip planning (where, when, and how to fish): Not at all important – Somewhat important – Moderately important – Very important – Extremely important
- Buying and displaying licenses and tags: Not at all important – Somewhat important – Moderately important – Very important – Extremely important

Q21. If the app primarily communicated sport fishing regulations, how likely would you be to use it?

1. Would definitely not use
2. Would probably not use
3. Would probably use
4. Would definitely use

Q22. The app could also contain many features. If you were to use the app, which features would you definitely use? (Select as many as apply.)

1. Show you regulations in current location
2. Show you regulations in a different location
3. Search for regulations by species
4. Show you Emergency Orders in effect in specific area
5. Show you which unit or fishery you are in
6. Purchase license from ADF&G
7. Contact ADF&G office
8. Store a digital, legally valid copy of your fishing license
9. Identify fish species
10. See tide chart
11. See fish counts
12. See weather forecast
13. Record your fishing harvest for own personal log

Q23. Please make any comments / suggestions about an ADF&G smartphone app:

Q24. We are interested in how we can use Facebook to communicate better with you. Even if you don't use Facebook, we are interested in what you think. What types of content are important to you to see on Facebook? (Select as many as apply.)

1. Hunting information
2. Public events
3. Beautiful pictures of fish and wildlife
4. Alerts (fishing "hot spots," aggressive bears, red tides, etc.)
5. Fishing reports (current numbers, forecasts, etc.)
6. Emergency orders
7. Announcement that a lake was recently stocked

8. How-to videos on fishing
9. Deadlines and reminders (to submit comments, to apply for tags, etc.)
10. None
11. Other:

Q25. Thinking of Facebook, for you, how important is each of the following?

- Opportunities to interact with ADF&G: Not at all important – Somewhat important – Moderately important – Very important – Extremely important
- “Just the facts” (emergency orders, fishing reports, etc.): Not at all important – Somewhat important – Moderately important – Very important – Extremely important
- “Feel-good” human-interest stories (big-fish pictures, announcements about a record-breaking fish, etc.): Not at all important – Somewhat important – Moderately important – Very important – Extremely important

Q26. If you visited an ADF&G Facebook page, are you most interested in seeing information about...

1. Whole state
2. One particular region
3. One particular river drainage
4. A local area
5. Don’t know

Q27. What is your ZIP Code?

Q28. What is your age?

1. Younger than 18
2. 18 - 24
3. 25 - 34
4. 35 - 44
5. 45 - 54
6. 55 - 64
7. 65 or older

Q29. What is your gender?

1. Male
2. Female
3. Other

Q30. Do you have any children under 18 in your household?

1. Yes
2. No

Q31. Thinking of sport fishing regulations, what is something Alaska Department of Fish & Game Sport Fish Division could do to help make fishing easier for you?

Q32. Thinking of sport fishing regulations, what is something Alaska Department of Fish & Game Sport Fish Division is doing right and should continue doing?

Q33. Any additional comments about sport fishing regulations or about this survey?

Additional Questions to Consider Asking in a Future Survey

Conversations with ADF&G staff after the survey concluded brought to light a few potential questions to ask on future surveys as a way of further understanding and categorizing respondents:

- Do you have a Facebook account?
- Do you have a smart phone?
- When you sport fish in Alaska, do you use a guide or charter service?

Appendix 6. Report on Focus Groups

Focus groups are a commonly used technique to gain insights into what people think or do and why. They are in essence a set of simultaneous interviews with multiple participants. The group setting enables participants to hear from others, exchanging their thoughts, building on (or disagreeing with) others' views. Listening to others often leads participants to share experiences, opinions, and ideas beyond what they would have shared otherwise.

Focus groups are useful to conduct before fielding a survey because they can provide a wide range of possible aspects to pursue further. By contrast, in a survey the material is pre-selected by the researchers. A major goal of these focus groups was to inform the questions asked on the upcoming online survey of residents who held a sport fish license in 2017.

Focus groups do not provide a representative set of opinions from a larger population. Instead, participants are usually chosen on purpose because researchers hypothesize that one (or more) of their features is relevant to their opinions—in this particular study, geography, age, and gender.

Daniel Escher conducted focus groups with 36 license holders during February 5–9, 2018. The focus groups were semi-structured: the moderator had a list of questions but deviated from them as needed to ask follow-up questions or to focus on more salient issues. The focus groups lasted for approximately 105 minutes each.

Participants came from the three regions in the state (Interior/Northern, Southeast, and Southcentral). Alaska Department of Fish & Game (ADFG) provided DJ Case with databases of people who purchased a sport fish license in 2017 and people who have obtained a permanent or disabled veteran license between 2015 and 2017. The combined database was then filtered to the following:

- Mailing address located in Alaska.
- Email address provided (not null or missing).
- Gender present (not null or missing).
- Age present (not null or missing).

The conversation was recorded via two digital devices connected to external microphones. After the focus group was completed, the audio recordings were transcribed. A video recorder located in the center of the room captured a 360-degree visual record.

After the focus group concluded, attendees filled out a brief survey, asking them to list their experience fishing, to evaluate their comprehension of regulations, and to record any additional comments about or suggestions for ADFG.

Staff members from ADFG were not present to observe. Participants received \$100 in the form of a cash card for their participation.

Respondents

Focus group participants were younger, with roughly equal representation of women and men. The purpose of this sampling was twofold. First, ADFG has begun recognizing the importance of supporting the increasing participation of women in fishing and hunting; oversampling women ensures better understanding of their preferences and concerns. Second, younger demographics likely have different relationships toward (and uses for) technology and communication channels. Because this younger group will become the major customer base for ADFG in the next decade, it behooves the department to understand this cohort and respond to meet their needs.

Table 21: Gender and Age of Participants

Location	Women (%)	Age (mean)	Age (min)	Age (max)
Anchorage	50	23.9	19	27
Fairbanks	75	25.8	20	30
Juneau	44	37.4	30	59
Palmer	100	29.4	25	34

Participants represented a wide range of experience sport fishing in Alaska. Some had been fishing for only a year or two, while others had fished for decades. Some fished a few times a year, while others fished more than 20 times.

Table 22: Experience Sport Fishing

Location	Yrs Fish AK (Mean)	Times Fish Yrly (Mean)	Yrs (min)	Yrs (max)	Times (min)	Times (max)
Anchorage	8.3	8.7	1	22	3	25
Fairbanks	10.9	8.9	2	25	3	25
Juneau	25.2	9.1	7	58	1	25
Palmer	12.9	12.1	3	24	3	25

Participants rated themselves on their ability to understand fish regulations and to follow them on a scale of 1–5. As the mean shows, most rated their ability as around “medium.”

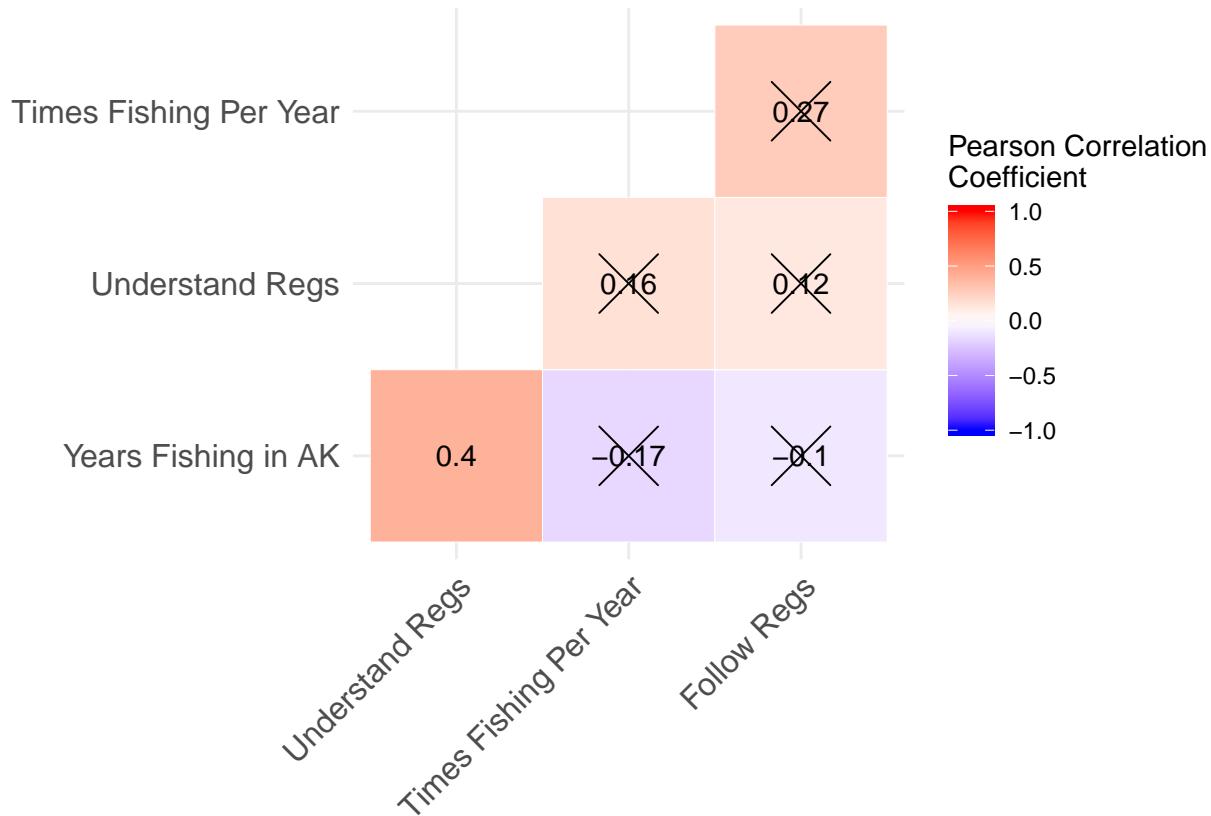
Table 23: Self-rated Ability to Understand and Follow Regulations

Location	Understand Regulations (mean)	Follow Regulations (mean)
Anchorage	3.5	3.5
Fairbanks	3.6	3.6
Juneau	3.9	4.0
Palmer	2.9	4.3

Further analysis examined how experience might be related to self-perceived ability to understand and follow regulations. Each pair of variables was linear, so the distance between categories was identical. Hence, the coefficients reported are Pearson product-moment correlation coefficients, where 1.0 is perfectly positively correlated and 0.0 is perfectly uncorrelated.

Only one relationship is statistically significant—namely, years fishing in Alaska and understanding of regulations. On average, then, with increased time fishing comes increased understanding of the regulations.

The lack of statistical significance for other comparisons (noted with an “X”) is revealing in its own right. It indicates no clear relationship between frequency of fishing or years fishing and ability to understand regulations or to follow regulations. In other words, respondents do *not* seem to “get better” at understanding or following regulations the more often they fish in a year.



Summary of Feedback for ADFG

Throughout the focus groups, attendees made suggestions about what ADFG is doing right. Many participants saw the move toward online materials and purchasing options to be a good thing. One said, “I love being able to access my license online,” and many echoed that response. Another positive move was holding the focus groups themselves, as an example

of the department's commitment to improving and hearing from its customers. Several recognized the efforts of the department to balance fish populations and demand for species.

Attendees were also forthright about areas where ADFG could improve. One was to create clearer regulations. "Make the rules and regulations more accessible for beginners," said one. Another added, "Organize regulations better. It's hard to find what equipment I am allowed to use on what species." A third wrote after the focus group, "Remember, write as if a 5th grader is reading the regulations!!! No lawyer language." A fourth—a mother of three children—said she was simply not going to spend time to understand the regulations, and they are "daunting to try to figure out."

The overall attitude toward regulations can be summed as one participant stated: "I hate reading through the regulations. I hate having to figure out what I can do." The overall desire for how they are written is, "in plain English," as another participant said. Behind the frustration with regulations was the desire to do the right thing and to avoid punishment. For example, one said, "getting fined is definitely not something we want to do, especially with my husband being in the military; he could get in trouble."

To increase the comprehension of information, participants requested the use of maps and other visuals, deployment of a smartphone app, and more targeted use of Facebook.

To increase the diffusion of information, participants requested that ADFG use as many communication channels as possible. This included sending out regulation notifications (i.e., emergency orders) via email *and* text message, and putting sign boards with current regulations at major fishing spots. It also included increasing the distribution of information via newspapers and radio stations.

Another set of suggestions involved allowing the purchase of *all* licenses on the Internet. A final set involved miscellaneous items, such as offering the ability to laminate a fishing license (to keep it from getting wet), providing more classes or materials with advice on how to fish, and educating tourists and military members about regulations.

User Considerations

One of the complexities of communicating regulations is that the needs of users vary depending on their experience level; the purpose of their fishing (e.g., to "fill the freezer" or to relax for an afternoon); and details of their fishing trip (e.g., time of year, whether going alone or with visitors, and the length of the trip).

No matter how experienced, many anglers engage in some form of trip planning, into which looking up regulations is only one part. As an example of the complexity, consider the responses to a question about what attendees think about when they go fishing:

- Where are the fish running?
- What type of fish is running?
- What are we fishing for?
- What technique am I using or planning to use?

- Do I need to purchase additional gear?
- Is the trip overnight or during the day?
- Is the purpose of a trip to fish, or is fishing a secondary activity?
- Where are other people fishing, and do I want to try to avoid them or not?

To make matters more complicated, a number of anglers do *no* trip planning before they fish. These participants happen to have their fishing gear with them, and then fish when the opportunity arises—during a day off of work, while stretching their legs while driving, when they are camping at a location and have some free time, or when visiting friends. Looking up regulations does not arise as a need until they are already on site and, potentially, are already fishing.

For most attendees, then, checking for relevant regulations is generally a last-minute activity. “Whoever’s not driving is usually reading,” said one respondent in Palmer. Fishing partners, friends, and spouses talk back and forth to interpret regulations, often while in transit to the location or upon arrival at the location. (Note that this differs from out-of-state visitors, who generally seek to catch a particular fish in a particular location, both of which they determine well in advance of their trip.)

Others do not check the regulations booklet at all. They ask for advice from their friends and family. Or they presume that everything is permissible until someone tells them otherwise. They presume that information will reach them if it is truly important.

Given that searching for regulations tends to occur at the last minute, if at all, the onus is on ADFG to make regulations easy to access and to comprehend. ADFG can also help increase compliance with regulations by spreading information as widely as possible, relying on word of mouth among anglers. Any increase in information is a good thing.

How Anglers Currently Access Sport Fishing Regulations

On the post-group survey, attendees reported all of the sources they use to find out sport fish regulations. Most participants access sport fishing regulations by reading the paper booklet, by asking someone, or by reading the digital booklet (available online as a PDF). Those who read the digital booklet often search the PDF for the place they are going to fish. They do so by going to the ADFG website, pulling up the PDF, and then using ctrl+f to search for the location name where they are or will be. One said looking at the booklet in print or online is equally difficult because both require flipping back and forth to different sections.

Some described attempting to look at the booklet (in paper and digital form) but getting overwhelmed in the process. These attendees then asked a friend, family member, or spouse or partner to read it for them.

A minority search on the Internet for information. They type in something like “Fish and game [area name] regulations,” and then visit the first few websites. A couple mentioned checking *Alaska Outdoor Journal*. Others search on the ADFG website itself, although not explicitly on the digital regulations booklet.

Few ask at a local ADFG office. Most seemed as if they had never considered that they *could* contact an area office. A few in the Palmer group mentioned that the regulations are so confusing that they were afraid of being called out for doing something wrong. One said, “I don’t like calling them ’cause I... have the fear that I sound stupid.” Another added, “I agree.” Still a third said, “I don’t feel confident calling them.” A fourth chimed in that calling the Fish and Game office reinforces a stereotype that a woman does not know what she is saying or talking about. A fifth added a hypothetical situation about being afraid of cutting a fin the wrong way on a beach when a staff member is nearby.

In actual experience, Fish and Game staff members have been helpful and personable, but a generalized fear of doing the wrong thing and coming across as inept prevents contact. In the Anchorage group, a few mentioned that it is difficult to reach anyone at the ADFG branch office because they are “badly understaffed.”

Later discussion about Facebook indicated that more *would* seek regulations information if they knew the geographically local ADFG Facebook page was a good source of updated, targeted information.

Table 24: How Currently Access Regulations

Info. Source	Percentage Selected (%)
Booklet (paper)	61
Ask someone	53
Booklet (digital)	50
Tackle store	36
Internet source	25
Local area office	14
Facebook	11
Other	8
Other social media	3

During the focus groups, attendees organically mentioned two additional sources of information about regulations—newspapers and the radio. Participants did not explicitly seek out information from these sources, but when they heard the information, they found it to be useful. Attendees encouraged ADFG to establish (or re-establish) relationships with newspapers and radio stations to boost dissemination of information, especially about emergency orders and where or when fish were running.

Sport Fish Regulations

Participants perceived existing regulations as confusing. One described the regulations as “awful. I hate it.” Another said, “it’s really frustrating, not knowing how to fish correctly.”

The complexity of the regulations has at least three major consequences. One is that some would-be anglers feel unconfident and insecure in their ability to go fishing in new locations,

at new times, or for new species without explicit guidance from others. They do not feel self-sufficient. A second is that some anglers seek remote places that have simpler regulations, because the regulations on popular bodies of water are so off-putting. A third is that the regulations' complexity colors anglers' relationship to ADFG with a shade of suspicion that they (anglers) are doing something wrong and staff members are seeking to entrap or punish them.

How Regulations Could Be Written

Four sets of alternatives tested how participants preferred the wording of regulations. The choice for A was selected directly from the 2017 regulations summary booklet. The choice for B (alternative) examined a different possible way of writing the regulation. The alternatives were not perfect, nor were they intended to be. Instead, they served as a contrast to elicit discussion and choice of preferences.

The four sets explored four common types of sport fish regulations as follows:

1. Negative language versus positive language:
 - i. Option A: X is not allowed.
 - ii. Option B: X is only allowed.
2. Time frame:
 - i. Option A: After doing X, you must not do Y...
 - ii. Option B: On the same day you do X, you must not do Y...
3. If... then...:
 - i. Option A: Do X.
 - ii. Option B: If you do X, then Y.
4. Pronouns:
 - i. Option A: No person, he/she
 - ii. Option B: Anglers, they

Across the four sets of options, the majority of respondents preferred Option B.

Table 25: Preferences for Language in Regulations

Question	A	B	Neither	Blank
Set 1: Positive Language	25%	72%	0%	3%
Set 2: Timeframe	19%	72%	6%	3%
Set 3: If... then...	17%	81%	0%	3%
Set 4: Pronouns	33%	58%	6%	3%

General Preferences for Regulations Language

Based on respondent preferences and discussion, the following general principles emerged for how to write sport fish regulations:

Positive language over negative language

- Preferred: “Fishing is only allowed between 6:00 a.m.–11:00 p.m.”
 - Note the use of “only”
- Not preferred: “No fishing is allowed between 11:00 p.m. and 6:00 a.m.”

“After” language preferred over “on the same day” language

- Preferred: “After you take a king salmon 20 inches or longer, you must not fish anywhere else that day in waters open to king salmon fishing.”
- Not preferred: “On the same day you take a king salmon...”

Direct objects before prepositional phrases

- Preferred: “Must not remove a coho salmon from the water”
- Not preferred: “Must not remove from the water a coho salmon”

Mandatory language

- Preferred: “Must” (e.g., “must be kept”)
- Not preferred: “Shall” (e.g., “shall be kept”)
- Not preferred: “May not”

Pronouns

- Preferred: “You”
- Preferred: “No person”
- Preferred: “No one”
- Not preferred: “Anglers”
- Not preferred: “They”
- Not preferred: “He/she”

If/then

- Preferred: “If [this happens], then this [must happen].”

Emergency Orders and News Releases

Less than half of participants in the focus groups had heard of emergency orders. Even fewer check for them before going fishing. In Fairbanks, for example, 4 out of 8 had heard of emergency orders, and 3 out of 8 check for them. In Anchorage, 4 out of 9 had heard of them, while 3 out of 9 check for them before going fishing. Only 3 out of 9 were aware they could sign up for notifications by email. In Palmer, 9 out 10 had heard of them, and 1 out of 10 checks them.

One participant brought up the *timing* of EO^s. Since most people fish on the weekend, the EO should come out well in advance for planning purposes—ideally, on a Monday or Tuesday before it takes effect on the coming weekend.

Participants read through an entire news release that accompanied a relevant emergency order (EO) in their geographic area. An EO was selected that concerned king salmon (a species of common interest) and a typical announcement (one that restricted where they could be caught and how many could be caught). After reading, they highlighted the sections that were clear (with a yellow marker) and underlined the sections that were unclear (with a red pen).

Upon completion of the activity, participants rated the clarity of the EO news release on a scale of 1 to 5, where 1 was “totally unclear” and 5 was “totally clear.” The mean for all groups was 3.5.

Across all groups, participants were unclear of what exactly they could and could not do. One said, “if you’re targeting an everyday person, I think it could be a lot more simplified... the language could be simplified and still get the message across.” Another said, “I had to read it over and over again to get it.” She asked: “Isn’t there an easier way to write this?” and noted that if she had to figure out what the EO meant by herself without help, “I’d give up.” Others agreed, saying they had to read it two or three times to understand what it was saying.

Attendees were unsure how long the EO was in effect. They were also unsure the geographic boundaries where it applied. Most desired maps as part of the news release.

Participants thought certain sections of the EO news releases were “wordy” and full of “legalese.” This did *not* mean that the regulations themselves were wordy, as described in the news release; if anything, these were too terse, and participants wanted terms to be defined or explained. Rather, the “wordy” sections were those justifying the EO, describing fishery management plans, or stating how the restriction was similar to a prior year’s restriction.

Two observed that they had become used to how ADFG writes: “I’m so used to seeing them like this, it’s... hard to imagine Fish and Game having a different way of doing it.” Another chimed in: “That’s what I was gonna say. I feel like after you read through these for so long, you kind of just learn to skim for what’s important, and you just don’t even look at the rest of it.” Both noted that this would be difficult for inexperienced anglers to encounter.

Many attendees expressed the desire for maps to show where the boundaries of the restrictions apply. These maps could also contain information about catch limits, restrictions on hooks, and restrictions on days.

General Preferences for Emergency Orders

Based on discussion, the following preferences emerged for how to write the news releases that accompany EO^s.

Title

The emergency order summary should include the term “Emergency Order” in an obvious way.

It should clearly report if it replaces or overrides an existing EO.

Timeframe

The news release should have a clear start date and end date. If there is no anticipated end date, then include language that tells for how long the EO will be in effect (e.g., “This emergency order will be in effect until further notice posted on the ADFG website.”)

To indicate if the EO is still in effect, the news release could contain a link to the exact appropriate page on the ADFG website for that particular geographic area.

Changes to limits

Any description of changes to catch limits should include when the change ends. If an EO is “effective May 1,” does the bag limit apply until the EO is finished? (If so, when is that?) Does the bag limit apply until the season finishes? (If so, when is that—when does the season reset?)

Length of EO news release

Terseness and brevity are not important. Clarity is. Using more words is appropriate to explain terms, concepts, and regulations. For example:

- If all king salmon sport fisheries in a river drainage are closed, does this also ban fishing for other species?
- Where are the “king salmon sport fisheries” on this particular river?
- Consider writing something like “a harvest record that cannot be transferred to another person” instead of “a nontransferable harvest record.”

Redundancy is welcome. For an EO that affects multiple units, list all the relevant orders for Unit 1, then list all the relevant orders for Unit 2, and so on. Describing the boundaries of a unit or a fishery in multiple ways—via maps, words, and coordinates—is also welcome. ADFG can cluster information, and list it in multiple ways.

Terms and motivations

Terms should be defined or re-stated in plain language: for example, “bag and possession limit,” “abundance index,” and “escapement goals.”

The motivation for the EO should be clear. Orders that limit how many fish a person can catch generally do so because fish populations are lower than desired. In other words, “there are not enough fish.” Or “currently, this is not a sustainable fishery.” Or “Alaska has seen

low numbers of king salmon, and ADFG has to manage the fishery to protect the population for future generations.”

EO news releases should say so in plain language, referring *later* to the technical reasons for the limit (e.g., the fact that the King Salmon Management Plan prescribes the regulations listed when the abundance index is between a certain range).

ADFG should consider having two paragraphs for motivations. The first would contain the ultimate reason for the EO, such as low populations; the second would describe the motivation in more technical language.

Graphics

A news release should include a detailed map (or multiple maps) showing the boundaries where it applies. General regions (e.g., “Southeast”) or place names (e.g., “Fairbanks”) or fishery names (e.g., “Glennallen Subdistrict subsistence fishery”) are not useful by themselves.

Use bullet points to list instructions.

Use a graphical calendar of months or days when a regulation is in effect.

Instructions for further information

Instructions for finding out more information should be precise. Rather than point to the general ADFG website, call out particular parts of the website. For example, list the URL for obtaining other EOs, the URL for the regulations booklet, and the exact email address and phone number (or Facebook page) to contact someone for help.

The news release should contain instructions for how to sign up for EO notifications via the ADFG website, via email, via text message, and so on.

Currently, the news release contains contact information for a regional management coordinator or a management biologist. Consider if this is the most appropriate contact person.

Ordering

All regulations for residents should be in one place—that is, all relevant paragraphs and sentences located next to one another. All directions for non-residents should be in one place.

Justification for the emergency order should follow toward the end.

Communication Channels

The focus groups asked about three particular channels of communication—emergency orders, social media (Facebook), and a smartphone app.

Emergency Orders

Few knew they could receive a notification from ADFG about emergency orders. Even fewer knew they could select to receive notifications only about particular geographic areas. In Palmer, for example, 2 out of 9 knew they could receive an email notification from ADFG.

Several attendees requested notifications about EO via text message. As one said, “people aren’t going out and checking their email” from the banks of a river or on their way to a lake. Email inboxes are also too full of irrelevant content. A text message is looked at immediately. Even if some of the text messages were irrelevant, these participants said they would stay subscribed for the ones that were relevant. However, they cautioned against over-using text messages, pointing out that they should only be used when absolutely necessary.

Social Media

An increasingly important source of information is social media, especially—but not limited to—Facebook. The focus groups discussed Facebook in particular because it is a commonly used platform; however, many of the insights could also apply to ADFG’s general online presence.

Attendees received eight cards, each describing general content that currently appears on the ADFG’s Facebook page, with a hypothetical example under each general type:

- Classes (Join us for Under Ice: An Introduction to Ice Fishing).
- Public events (Fishing derby to be held this Saturday).
- Emergency orders (King Salmon catch limit increased to 3 on Heart River).
- News about stocked lakes (Salmon Lake was just stocked).
- How-to videos on fishing (Learn how to distinguish a pelagic fish from a non-pelagic fish).
- Deadlines (Deadline to submit comments to the 2018 Statewide Sport Fish Stocking Plan is this Thursday).
- Reminders (Buy your 2018 license online at the ADFG store).
- Hunting information (Bull or Cow? How to distinguish between bull and cow caribou in the field).

Attendees then placed the cards in order from most relevant to least relevant. They could cross out cards that were completely irrelevant to them. (Hence the number of votes below differs depending on the type of content.)

A clear pattern emerged: Participants saw the ADFG Facebook page as providing cut-and-dried, real-time information about fishing in the state. “Fish and Game is...there to tell us what we can and cannot do,” said one, summarizing the focus group’s opinion. Another added: “just make it easier so you don’t have to dig through the regs.” Attendees were looking for dynamic, quickly updated content—fishing reports, alerts of bears in the area, recommendations for what is “hot” and where, and so on.

Attendees saw the ADFG *website* as the place to put “extra,” slower-paced information about public events, how-to videos, and so on.

Participants were unanimous that they were *not* seeking “feel-good” content from an ADFG Facebook page. They did *not* want to see “touchy-feely” content, or posts asking about people’s day or pictures of the fish they caught. “Fluffy information” included most content that did not help viewers to catch more fish. These included pictures of beautiful landscapes, announcements of record-breaking catches, and material designed to garner engagement. As one woman put it: “I don’t care about your pictures. . . . I want to know stuff that’s going to help me: what’s legal, where to fish—that’s what I want to know. I don’t need extra stuff.” One man said that pictures of beautiful scenery are common in Alaska: “we’re going to go see it anyway. It’s not. . . . incentivizing us to go see it.” Another added, “If I want to see that, I’ll follow somebody else.”

Focus group attendees were after “functional stuff.” So-called non-functional content (like beautiful pictures or a write-up of a record-breaking fish) could go on a separate Facebook page, on a blog, or on a different platform, such as Instagram.

Disaggregating information across geographies was important. Participants did not feel a need to have all ADFG information on one account. It could be spread across different regions of the state.

Hunting information could be on a separate Facebook page from fishing information.

Social media can be used to build relationships between an agency and its customers. Focus group participants—most of whom were younger—were clear they did *not* want that type of relationship with ADFG’s Facebook page. Attendees noted that posts that are a “two-way street” end up devolving into arguments. Or they become a joke or entertainment, or a place to “talk smack.” It makes the page look “unprofessional if it’s open for, like, the public to jump in and give opinions and stuff like that,” added one. Another said the only back-and-forth interaction she would like to see is on a Q & A forum: “‘Hey, we’ve recently been getting questions about the Blah Blah Blah River. Our most common questions were dot dot dot. And here’s the answers.’” Even then, another noted that he “hate[s] going to a page to look for information, and then just see. . . . a bunch of people, like, posting posts on their page. Like, where is the information?”

In sum, *obtaining accurate, location-specific, relevant information was more important than establishing a relationship with ADFG or knowing the breadth and scope of ADFG programs and activities.*

Table 26: Ranking of Preferences for Content on Facebook

Rank Choice	Classes	Deadlines	Emergency orders	How- to videos	Hunting informa- tion	News about stocked lakes	Public events	Reminders
1	NA	1	23	1	4	1	1	4
2	3	10	7	1	3	1	3	6

Table 26: Ranking of Preferences for Content on Facebook
(continued)

Rank Choice	Classes	Deadlines	Emergency orders	How- to videos	Hunting informa- tion	News about stocked lakes	Public events	Reminders
3	6	4	NA	1	1	5	7	10
4	4	4	2	1	6	4	6	6
5	2	7	NA	6	4	5	6	1
6	5	1	2	9	6	1	2	4
7	6	2	1	5	3	9	1	1
8	3	5	NA	6	5	4	2	2
Total Votes	29	34	35	30	32	30	28	34

Across the eight potential types of content, the following trends emerged:

- The biggest priorities for content included emergency orders, deadlines, and reminders.
- Somewhat less important were notifications about classes, public events, and stocked lakes.
- Information on hunting was spread evenly throughout the respondents, ranging from important to not at all important. This seemed to indicate the interest of participants themselves in hunting.
- The lowest priority overall was how-to videos (for example, on ice fishing or identifying species). These were of interest to newer anglers, but they were not as important as other types of content.

Participants could suggest additional types of content for a Facebook page. The two primary suggestions were recommendations and alerts. For recommendations, participants suggested types about where to fish, what current “hot spots” were, special opportunities to fish an invasive species, and fish numbers and forecasts. For alerts, participants suggested announcements about bear activity or red tides.

Location-based Smartphone App

In all four focus groups, the idea of a smartphone app emerged before any explicit question about it was asked.

The relatively younger set of attendees was eager to look up regulations on a device they almost always have with them, even in remote places. This app would allow data to be cached on the smartphone, granting offline access, and then updating when the phone has cellular or Wi-Fi reception again.

Attendees received eight cards, each describing general features that could appear on a smartphone app:

- Record your harvest.
- Geographic location.
- Regulations in current location.
- Emergency orders.
- Buy license.
- Identify species.
- Tide chart.
- Weather.

Attendees then placed the cards in order from most relevant to least relevant. Attendees could cross out cards that were completely irrelevant to them. (Hence the number of votes below differs depending on the type of content.)

- *Most important:* By far the most important features were the ability to know regulations in one's current location, and the ability to see relevant emergency orders. Ideally, these could be viewed at the same time (so a user would know the regulations were superseded by the emergency order).
- *Somewhat important:* Relatively lower in importance was the ability to buy a license through the app, to record one's harvest (and have it attached to the user's license number), and to identify species.
- *Less important:* The features with lowest importance involved features that other apps do well—namely, to show one's geographic location (via a map app), show a tide chart, and forecast the weather.

In discussing these features, participants were clear that the app must have the following minimum requirements:

- Works offline from cached data.
- Data refreshes when the phone has cellular or Wi-Fi service.
- The app does not use much battery.
- A potential requirement: The ability to cache (download) only particular geographic areas (not the entire state), to save on data, battery usage, and storage.

Table 27: Ranking of Preferences for Content on Smartphone App

Rank Choice	Buy license	Emergency orders	Geographic location	Identify species	Record your harvest	Regulations in current location	Tide chart	Weather
1	4	10	2	NA	NA	19	NA	1
2	NA	16	1	2	2	12	2	1
3	7	6	4	6	6	3	4	NA
4	7	3	2	5	6	NA	8	4
5	5	NA	1	8	9	2	8	2
6	3	NA	3	9	7	NA	8	3
7	3	1	5	4	3	NA	4	9
8	5	NA	10	1	2	NA	1	7

Table 27: Ranking of Preferences for Content on Smartphone App (*continued*)

Rank Choice	Buy license	Emergency orders	Geographic location	Identify species	Record your harvest	Regulations in current location	Tide chart	Weather
Total Votes	34	36	28	35	35	36	35	27

Emergency order

Attendees desired to see EOs in the user's current or expected location *and* the ability to search within a set radius (5, 10, 25, 50, or 100 miles).

EOS should be visually obvious when they are in effect.

Identify species

The ability to identify species would be “very convenient.” Some noted they have released fish because they were not sure what type it was. Others have held a fish underwater while another person attempted to figure out what species they had caught.

Participants requested the presence of multiple pictures for each species, especially for species that change in appearance during their life cycle.

A few mentioned wanting to have a dichotomous key, but this request was of lower priority than having pictures.

Buy license

Participants requested the ability to keep a digital copy of their license on their smartphone, a copy that would be legal and recognized by any law enforcement officer.

Several also requested the ability to buy multiple types of license (e.g., a king stamp and a dip netting license).

Digital license

A number of participants suggested that the app could store a digital copy of their license. Right now, some take a picture of their license, or they save the printout of their license (when purchased online) on their smartphone. The app would not only enable users to purchase a license but also to store it there in a legally recognized manner.

Several attendees said they do not have access to a printer, so even if they purchase their license online, they are unable to take it with them while fishing.

To be clear, this feature would not remove the paper option. It would merely be a supplement to it. Some mentioned they would still carry a paper copy in case the battery on their smartphone died.

Record your harvest

Participants requested the ability to record their harvest, sending it to ADFG *in place of* sending in their harvest card. Some noted that they rarely remember to record their harvest, and even when they do, they are unsure the location where they were fishing.

A couple of attendees also desired the ability to record their hunting harvest.

Geographic location

Participants were most concerned about the regulatory area where they might be—that is, which unit or drainage, not their specific location. Put a different way, they wanted to know, given their geographic location, in which unit or drainage or relevant regulatory area were they standing? This was important because the regulation booklets do not list every body of water. As one said, “It would be cool if you could drive [to a small creek] and pull [the app] up, and boom, here you are: pops up the regulation, and here’s what the salmon limit is for this part right here.”

Tide chart and weather forecast

Both would be nice to have, but they were not seen as crucial. Participants generally already had an app for a tide chart and an app for weather forecasts.

A tide chart would need to copied from a successful, existing app “well, or don’t bother,” as one respondent said.

Miscellaneous suggestions

Participants could write in suggestions for the app. Many of these included a desire to have a digital license, storable on their phone via the app. This would be a fully legal version of their license that they could show law enforcement officers if needed.

Other ideas included descriptions about particular areas, fishing reports, how-to guides and recommendations for fishing, suggestions for places to fish, and safety conditions. These were secondary in priority to knowing regulations in one’s current location. These features were important to inexperienced anglers, many of whom do not know basic information like when is the best time of day to fish or when is it worth fishing for this particular species. Others wondered if they could share information about particular bodies of water—for example, the shoreline on this lake is muddy, so they would know to wear boots. Related to the desire to learn more information, a few participants suggested having an interactive forum as part of the app. This could also include the ability to easily contact the most relevant ADFG office.

Appendix 7: Revising Emergency Order News Releases

When an Emergency Order is issued, a news release accompanies it. Both staff members and focus group participants underscored the difficulty of understanding these news releases in a number of ways:

- The specific geographic area it affects.
- How long it is in effect (not only when it starts but also when it ends).
- How the catch limits outlined in the Emergency Order affect one's overall catch limits for the year.

Across all groups, participants were unclear of what exactly they could and could not do. One said, “if you’re targeting an everyday person, I think it could be a lot more simplified... the language could be simplified and still get the message across.” Another said, “I had to read it over and over again to get it.” She asked: “Isn’t there an easier way to write this?” and noted that if she had to figure out what the EO meant by herself without help, “I’d give up.” Others agreed, saying they had to read it two or three times to understand what it was saying.

Participants thought certain sections of the EO news releases were “wordy” and full of “legalese.” This did *not* mean that the regulations themselves were wordy, as described in the news release; if anything, these were too terse, and participants wanted terms to be defined or explained. Rather, the “wordy” sections were those justifying the EO, describing fishery management plans, or stating how the restriction was similar to a prior year’s restriction.

General Preferences for Emergency Orders

Based on discussion, the following preferences emerged for how to write the news releases that accompany EOs.

Title

The emergency order summary should include the term “Emergency Order” in an obvious way.

It should clearly report if it replaces or overrides an existing EO.

Timeframe

The news release should have a clear start date and end date. If there is no anticipated end date, then include language that tells for how long the EO will be in effect (e.g., “This emergency order will be in effect until further notice posted on the ADFG website.”)

To indicate if the EO is still in effect, the news release could contain a link to the exact appropriate page on the ADFG website for that particular geographic area.

Changes to limits

Any description of changes to catch limits should include when the change ends. If an EO is “effective May 1,” does the bag limit apply until the EO is finished? (If so, when is that?) Does the bag limit apply until the season finishes? (If so, when is that—when does the season reset?)

Length of EO news release

Terseness and brevity are not important. Clarity is. Using more words is appropriate to explain terms, concepts, and regulations. For example:

- If all king salmon sport fisheries in a river drainage are closed, does this also ban fishing for other species?
- Where are the “king salmon sport fisheries” on this particular river?
- Consider writing something like “a harvest record that cannot be transferred to another person” instead of “a nontransferable harvest record.”

Redundancy is welcome. For an EO that affects multiple units, list all the relevant orders for Unit 1, then list all the relevant orders for Unit 2, and so on. Describing the boundaries of a unit or a fishery in multiple ways—via maps, words, and coordinates—is also welcome. ADFG can cluster information, and list it in multiple ways.

Terms and motivations

Terms should be defined or re-stated in plain language: for example, “bag and possession limit,” “abundance index,” and “escapement goals.”

The motivation for the EO should be clear. Orders that limit how many fish a person can catch generally do so because fish populations are lower than desired. In other words, “there are not enough fish.” Or “currently, this is not a sustainable fishery.” Or “Alaska has seen low numbers of king salmon, and ADFG has to manage the fishery to protect the population for future generations.”

EO news releases should say so in plain language, referring *later* to the technical reasons for the limit (e.g., the fact that the King Salmon Management Plan prescribes the regulations listed when the abundance index is between a certain range).

ADFG should consider having two paragraphs for motivations. The first would contain the ultimate reason for the EO, such as low populations; the second would describe the motivation in more technical language.

Graphics

A news release should include a detailed map (or multiple maps) showing the boundaries where it applies. General regions (e.g., “Southeast”) or place names (e.g., “Fairbanks”) or fishery names (e.g., “Glennallen Subdistrict subsistence fishery”) are not useful by themselves.

Use bullet points to list instructions.

Use a graphical calendar of months or days when a regulation is in effect.

Instructions for further information

Instructions for finding out more information should be precise. Rather than point to the general ADFG website, call out particular parts of the website. For example, list the URL for obtaining other EOIs, the URL for the regulations booklet, and the exact email address and phone number (or Facebook page) to contact someone for help.

The news release should contain instructions for how to sign up for EO notifications via the ADFG website, via email, via text message, and so on.

Currently, the news release contains contact information for a regional management coordinator or a management biologist. Consider if this is the most appropriate contact person.

Ordering

All regulations for residents should be in one place—that is, all relevant paragraphs and sentences located next to one another. All directions for non-residents should be in one place.

Justification for the emergency order should follow toward the end.

Appendix 8. Report on Interviews with Staff Members

Daniel Escher conducted telephone interviews with 16 staff from Alaska Department of Fish & Game during December 11–20, 2017. The interviews were semi-structured: the interviewer had a list of questions but deviated from them as needed to ask follow-up questions or to focus on more salient issues. The interviews lasted for 30 to 60 minutes. Participants came from all three regions in the state (Interior/Northern, Southeast, and Southcentral). Participants comprised the following positions:

- Area Management Biologist (3)
- Assistant Area Management Biologist (3)
- Education Associate III (1)
- F&G Program Tech (5)
- Information Officer II (1)
- Program Coordinator I (1)
- Regional Management Coordinator (2)

General Summary

Communicating regulations is a multi-pronged effort. No matter what happens with a smartphone app or a website, anglers will continue to use a printed booklet, stop into field offices to talk, call or email with questions, listen for radio updates, and check for posted announcements at gear shops and grocery stores. Modernizing sport fishing regulations in the state, therefore, needs to take into account the variety of channels and methods anglers receive regulations.

User Groups

Respondents described three main user groups.

In nearly all locations, no matter their user group, the fundamental question anglers need to know is, “What are regulations (especially bag limits) for this fish in that location?” The Kenai River differs, however, due to its size and proximity to the road system. There, many factors are relevant simultaneously: what species are available, what bag limits are, what equipment is permissible and where, and which areas are open to fishing.

Group 1 generally consists of long-time residents or lifelong locals. They generally contact staff because they need answers to specific questions, or they want to check the status of a geographic location with regard to an Emergency Order (EO). They interact with DFG online, over the phone, and in person.

Most want to know about one or two species (e.g., king salmon), especially how many they can keep that day or in a year, or where a hot spot for a particular species is.

Group 2 consists of military personnel, many of whom are stationed at a place like Ft. Wainwright in Fairbanks or Ft. Richardson in Anchorage for a two-year period. They are generally new to the area but have time to learn the regulations. They are young and tend to interact with DFG online (via website and social media).

They are usually more geographically bound, so they tend to ask question like, “Are there any bag limits on this river for this species?”

Group 3 generally consists of people who are visiting Alaska for an annual trip or a once-a-lifetime trip. They need broad, general guidance and recommendations about fishing in the state. They tend to interact with DFG over the phone and online: “I’m coming to Alaska next summer, and I’m interested in sport fishing. Where should I go? What can I catch?” They usually are stationary (they intend to fish in one location), or they are being guided from location to location.

Staff members often serve as personal trip planners for this group. They attempt to narrow down 1) Where they are visiting, 2) What they hope to catch, 3) When they are visiting, and 4) What access to transportation they have (car, boat access). Each of these four are somewhat dependent on the others. Staff members ask last about 5) desired equipment that visitors would like to use. Once they narrow visitors’ preferences, staff members are able to answer more specific questions, such as what flies and lures they recommend or how big the fish are in that area.

Staff members also try to get visitors to prioritize these answers: Is catching a king salmon of utmost importance, or is staying on the road system most important?

Staff members often have to remind the public when certain species are running. For example, some visitors seek to catch king salmon in August, well past the end of the season.

Customer Service

Staff members often provide a brief tutorial on how to navigate regulations. They show members of the public the website and the booklet. They point to where EOAs are located. They go through the booklet, showing the sections on general regulations and geographic locations.

This process can be in-depth. In Southcentral, one program technician opens a regulations booklet and shows the relevant pages on her area. She then provides three handouts (in person or via email): 1) a fishing identification sheet she has made (with pictures that are clearer than those in the booklet); 2) a map of the road system put out by the borough containing rivers and land status (ownership of native lands versus public lands); 3) handouts with general guidance on how to set up fishing equipment. On the map, she circles the rivers: “Bag limit here is 1. But other end of town, bag limit is 2, because it’s a stocked system.”

Some staff members conduct pop quizzes with the public as a way of practicing using the regulations booklet: for example, they quiz to make sure anglers know that if special regulations are not in effect in particular place, then the general regulation is in effect.

Interacting with anglers is part of the job that staff members enjoy. Some interact with sport fish guides, visitors from around the world, and local residents in person, by phone, over email, and during fieldwork. Staff did not report wishing for less contact with the public. If anything, staff wanted people to talk to them directly if they are confused.

- Regulations materials (including an app) could have an “ask a helper” feature that would route the request to the relevant field office.

Some staff reported feeling “overwhelmed” during the summer months. The building in Anchorage, especially the lobby area, could be bigger. The Northern Kenai Peninsula lobby can be too crowded during the summer. An I&E staff member took it upon herself to put in a computer in the lobby to facilitate license purchasing and reporting. This helped reduce crowds.

- A larger lobby and another computer could help in that Kenai office.

Two staff members in two different regions suggested bringing on a permanent part-time (5- or 6-month) position for roughly May through September. By making it a permanent short-term position, they could retain the same person from year to year, thus reducing training time.

The consistency of service is not the same from one office to another or even within offices. For example, information from a biologist might be different than information from a front-desk person. It is unclear how much (if any) direction supervisors provide on how to help customers. One staff member guessed helpfulness “comes down to personality.”

- Consider providing training and/or evaluation to ensure consistency in customer service across regions and staff positions.

One staff member brought up compartmentalization in DFG. Sportfish and commercial biologists do not overlap, so the answers to some questions are unclear. Even knowing when to transfer the question to someone else can be unclear.

- This could provide another opportunity for training.

Perceptions of Regulations and Booklets

It is important to note that even staff members rarely trust themselves to understand and comply with regulations. Most reported that if they are fishing in an unfamiliar area or for a new species, they check with other staff members first. For example, a staff member in Southeast follows this process if he is unfamiliar with a location:

- Reads about the area on the DFG website.
- Calls area office, talks to them for recommendations.
- Visits a sporting goods store, gets some local knowledge that way.

A staff member in Southcentral said that he calls the local area management biologist, and then he confirms what he reads in the booklet with a local angler. Another added that she looks through the regulations booklet, and then checks with the biologists in her office.

It may be worth noting that no staff members mentioned contacting law enforcement or troopers to understand the regulations.

More generally, staff members had three major responses to regulations and the regulations booklets.

First, regulations and the regulations booklets are difficult to understand. They are too text-heavy, and some of the information gets jumbled. The organization of the booklet could be better. It is difficult to find and keep in mind special regulations, general regulations, and special conditions.

Compliance issues seem to be based on misunderstanding more than willful disregard of the rules. A common refrain was that lawyers would be required to interpret the regulations. One program technician said, “People are afraid of the regulation book.” One staff member who interacts with tourists often hears how much longer the Alaska regulations booklet is compared with their home state’s booklet.

Confusion is not limited to members of the public. For example, one program technician said that before she started working in Southcentral, she did not go fishing: “It was too scary to read these things. The average Joe can’t read these and understand what’s being talked about.” A regional management coordinator said, “I fish where I’m already comfortable fishing because regulations are incredibly complex.”

Second, staff members described regulations as complex, no matter how clearly they could be stated. No matter how clear the regulations, the distinction between, say, special regulations and general regulations is not immediately apparent. Some regulations require knowing the mile of a river, and they can change by date.

Staff members themselves desired simpler regulations. One mentioned, for example, that the background regulations and in-season EO^s can be confusing. Another desired geographic consistency: if one creek is no-bait all year, it would be nice if the next one down the road were also no-bait all year.

Among the four regulations booklets, there are inconsistencies in language, definitions, and layout. Despite the length of the regulations booklets, one staff member pointed out there are still undefined concepts. For example, a freshwater salmon must be caught “in the mouth.” What does that mean? What if a hook pierces the lip from the outside, is that “in the mouth”? There is no language that the hook has to pierce from the inside first. The booklet also does not define “hook.”

- Ensure consistent language and definitions in all four regulations booklets.

Third, staff members described the challenge of EO^s. Although staff recognize them as necessary, they are difficult to communicate. It is particularly difficult to give the public a “heads-up” for high-value species like king salmon, around which visitors plan trips in advance.

Process of Using Regulations Booklets

The regulations summary booklets are designed to be used as follows: 1. Look at general regulations for the region (e.g., what kinds of hooks are permissible, what is a fly, what is the definition of multiple hooks); 2. Select a particular geographic area; 3. Select a species; 4. Determine the season; 5. Check location-specific regulations; 6. Check for Emergency Orders that supplant all prior regulations.

In practice, most users skip step 1 and go right to step 2 (the geographic area), then search on a map of where they are going. If they do not see specific regulations at that spot, or if the spot is not on the map, they often do not understand they are supposed to revert back to the area's general regulations.

When anglers are at a location, they want to know the regulations for the body of water where they are standing at that exact moment—potentially even without knowing the name of the lake or river where they are.

Some members of the public take a screenshot of the relevant page in the booklet before they leave for where they are going to fish.

Staff members themselves described using the regulations booklets in contrast to how the booklet is designed. Most look at 1) location first, then 2) time of year, and then 3) species.

Practical Suggestions from Staff Members

Printed Regulations Booklet

Regardless of any smartphone app or trip planner, the printed regulations booklet will continue to be used: Not all users have access to the Internet or have a smart phone; many areas are outside of cell reception; many users are familiar with the booklet.

- The booklet needs a fundamental redesign for those who will continue to use it.
- Put “How to use this booklet” more prominent and easy to read. As soon as you open the cover, make it the first thing you see. Right now, some of the background material could go to the end of the booklet (e.g., Board of Fisheries members, license types and fees, harvest record).
- The booklet may be too condensed as it is. Some redundancies may be necessary to keep. Recurrent signs throughout the booklet could alert users of a potential EO: for example, “Every year, there’s a possibility of an EO ending the season early.”
- In a particularly popular area in each region, it may be worth printing all regulations on the pages for that particular popular area (e.g., a section of Lower Cook Inlet or a section of the Kenai River).

Anglers want to know what they can do, not what they cannot do. They do not want to use the process of deduction to understand the correct behavior. More specifically, users seem to want to flip to a geographic area, look up a species, and know what they can use or do.

Language should reduce the burden of interpretation. It should err on telling users what they can do, not what they cannot do.

Use more symbols and relevant pictures (not pictures of people fishing). A worm on a hook could mean “bait is ok.” Increase the graphics, not just the maps. Symbols on locations can show where anglers can do X or Y.

Improve pictures for fish identification.

One staff member suggested recommendations for mobility limited or older people, since that information would not change year to year. For example, a wheelchair symbol on the map indicates easy access.

Online Regulations Booklet

Currently, the online version of the booklet is simply the printed PDF. It is difficult to read. The PDF is not formatted well for a smartphone screen, let alone a desktop screen. Responsive or adaptive design may help, but it would not necessarily solve the problem.

Regulations should be navigable on a mobile device—and they should not merely be a PDF version of the booklet.

EOs should appear automatically in the corresponding section of the regulations booklet online.

It is unclear in the online version that there is a background regulation section, especially if a user just goes directly to the geographic area.

Location-based Smartphone App

A location-based smartphone app was suggested or praised by all staff members. This app would provide users with the relevant regulations given their geographic location. For example, a user could click on a body of water, and the app would provide information: “You can keep 2 rainbow trout of 10 inches.”

Doing so would help to eliminate a number of problems: 1. Geographic uncertainty: “I don’t know where I am.” 2. Lack of knowledge of EO. 3. Signs are inadequate, out of place, or outdated (even though GPS-tagged).

The app could also function as a modest trip planner. Users could input what they want to catch and what kind of equipment and bait they want to use. Then the app would show what is open now. A pop-up would alert the user to an EO. The app would have to be clear that EO may be pending if the user is outside of signal range.

It should have simple dropdown menus, clean interface, no sublinks, no clutter.

Trip Planner

Many staff members suggested a trip planner. This may be part of the smartphone app, or separate from it. One staff member mentioned the state of Montana launched a trip planner in November 2017.

A trip planner would communicate the opportunities that are available by date, in a location, for particular species. Users would input their desired dates to fish and desired species to catch, then the trip planner would tell where, when, and what to fish.

The databases used must be precise. For example, the Anadromous Database might show a stream has coho, but it is just juvenile not adult coho, so the user will be disappointed when arriving.

A downside is that this trip planner would be unable to predict EO's or late or early runs.

Communicating Emergency Orders

Visitors are often unaware that they need to check for an EO. A location-based alert could indicate that an EO is in place.

Currently, license holders have to opt in to receive EO's by email. These announcements include the legal document itself and a news release. Some mentioned that ADF&G could automatically enroll license purchasers in the EO email list. Total participation would not be needed—the more the better since news travels by word of mouth on a river or lake.

This sort of opt-in system seems feasible for licenses bought from the DFG website. License vendors at different stores could potentially enroll people automatically, although staff were unsure of how they would do so and how reliable the information would be.

Currently, the news releases are written by biologists and often are a direct copy of the EO. Both documents are difficult to understand. One staff member, when he was an information officer, tried to rewrite the news releases, putting them in simpler language. He included quotes to explain why the EO was taken (e.g., to protect the resource).

- Standard policy should be that the news release explains why the EO is coming out.
- Some thought the news release could be in plainer English.
- One program technician asked if it is possible to improve the look and personalization of the EO announcements.

The Government Delivery System updates twice a day, so an announcement released at noon might not go out until several hours later. One staff member said the timeliness of notifications could increase.

The Emergency Orders (EO's) are difficult to find on the website. The link is called "News Releases & EO's." They are not integrated into the regulations booklet. EO's could be made more prominent on the website and connected to the digital booklet.

Social Media

Staff members throughout the state desired more presence online, especially on social media. Some staff members do not understand the delay in expanding DFG's online presence. Many staff members are concerned about counteracting misinformation online.

- DFG staff can insert themselves into online discussions more.
- Consider hiring a full-time or part-time responder to questions on forums and social media.

The use of social media in the Interior has been "amazingly effective" since launching in fall 2016. Announcements about turning in permits or a fishery closure garner 8,000–9,000 views in a 48-hour period. In Interior, some 80–90% of people view posts on their smart phone.

- Posts should be formatted to be responsive to this type of device.

Regional Facebook pages specific to fisheries are more helpful than the statewide ADF&G Facebook page that addresses a range of activities. Residents in Southeast generally do not want to know about announcements meant for northern Alaska, and vice versa. Posts about the end of trapping season matter little for anglers. Regional Facebook pages do not post something merely to put up content. They do not want to wear out their welcome with users. Posts occur about once a week when a major event occurs or when an announcement needs to be made.

- Encourage regional use of Facebook to disseminate news about openings, closings, and Emergency Orders. This should be the primary (and perhaps only) use of the account.
- Content must be meaningful, "not fluff. Don't have a production schedule just to have one," said one staff member.

"How-to" videos appear to be successful in terms of viewership. Interior tries to make one per year of high production quality. Southcentral mentioned wanting to do more of these.

Communication Barriers

Staff members occasionally encounter barriers in communicating with visitors from around the world or even local residents. For example, Homer has a population of Russian orthodox residents who only speak Russian. Sitka has a large population of Filipino residents.

Some visitors do not know the standard measurement system, so staff members sometimes have to help translate inches into centimeters. For example, they restate "You have to record a king salmon 20 inches or longer" into 50 centimeters.

Another reported the difficulty of explaining a concept like saltwater and freshwater to a visitor. "I have to draw diagrams, or I have to tell them to taste the water."